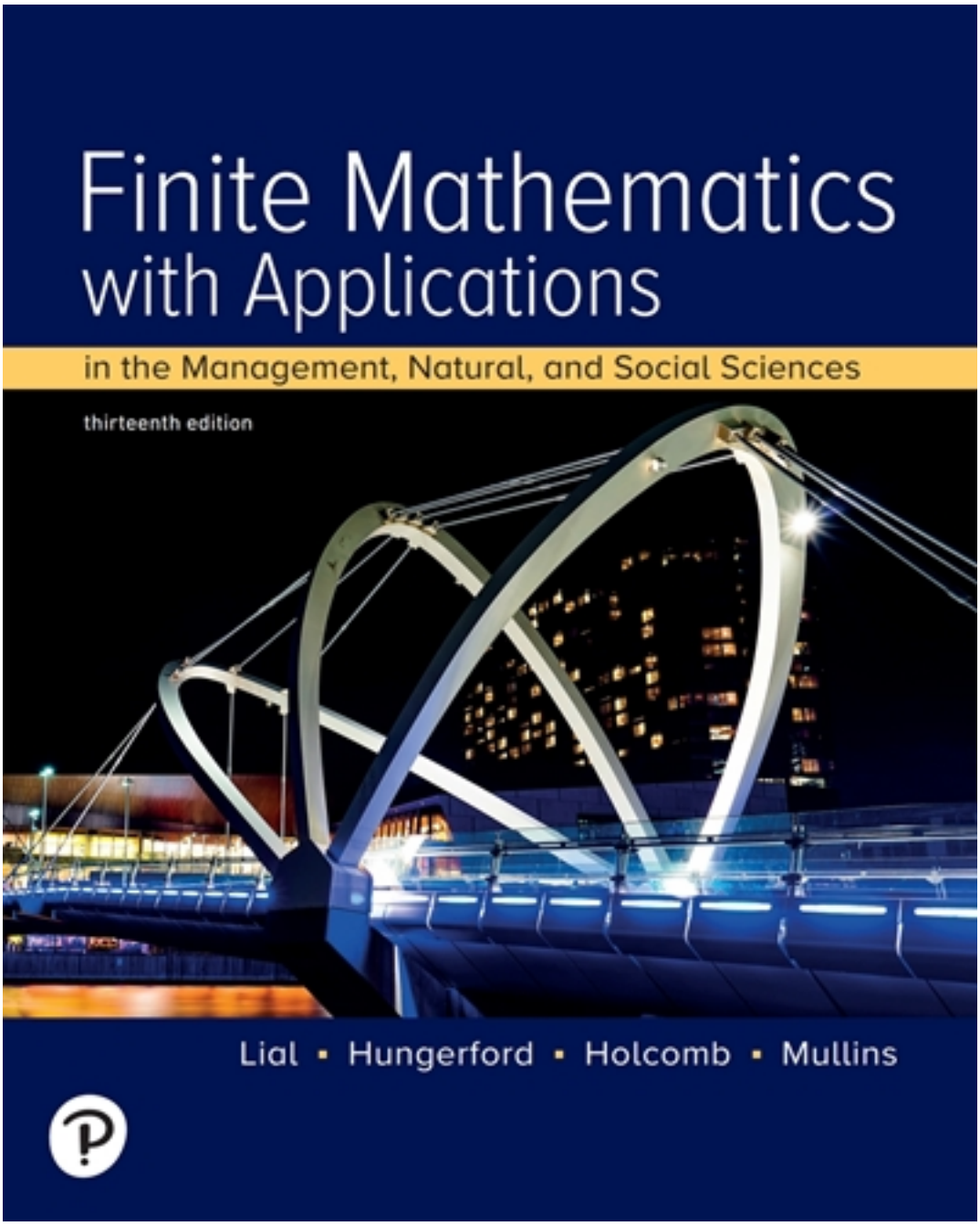
Test Bank for Finite Mathematics with Applications In the Management Natural and Social Sciences 13th Edition by Lial



Test Bank

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Determine whether the given ordered pair is a solution of the given equation.

1) $2x + y = 11$; (4, 3)
A) Yes
B) No
Answer: A

2) $2x + 4y - 16 = 0$; (4, 2)
A) No
B) Yes
Answer: B

3) $4x - 4y = 32$; (4, 4)
A) Yes
B) No
Answer: B

4) $x^2 + y^2 - 8x + 6y = -24$; (3, -3)
A) Yes
B) No
Answer: A

5) $x^2 + y^2 - 6x + 3y = -4$; (4, -1)
A) Yes
B) No
Answer: B

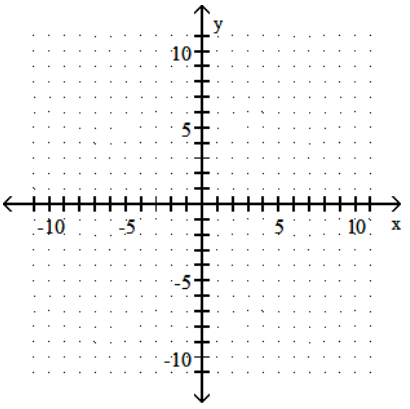
6) $(x - 5)^2 + (y + 4)^2 = 13$; (2, -2)
A) Yes
B) No
Answer: A

7) $(x - 9)^2 + (y + 7)^2 = 0$; (3, -1)
A) Yes
B) No
Answer: B

8) $\frac{x^2}{2} + \frac{y^2}{3} = 1$; (1, -1)
A) No
B) Yes
Answer: A

Graph the linear equation.

9) 4y = x + 4



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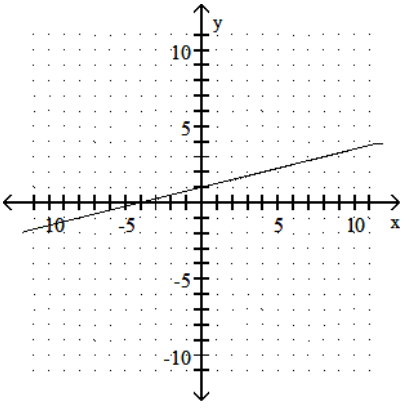

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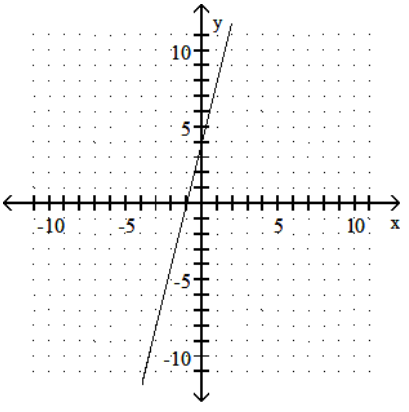

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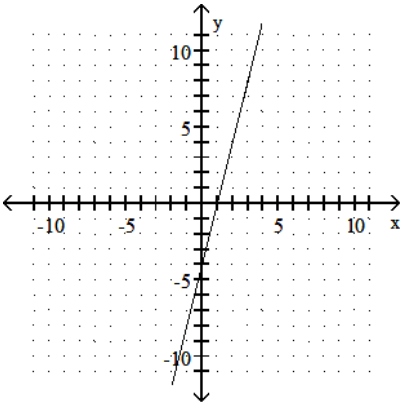

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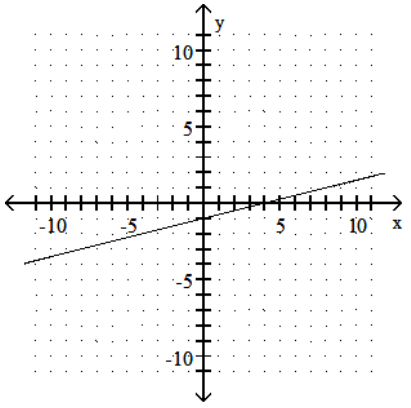
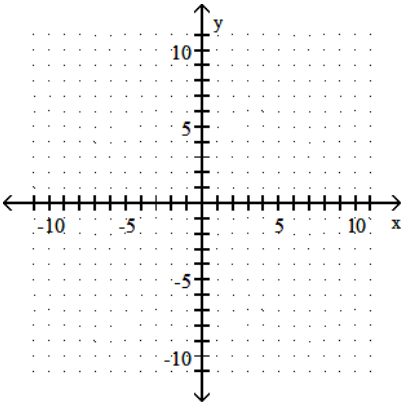


Answer: A

10) -x = 2y - 9



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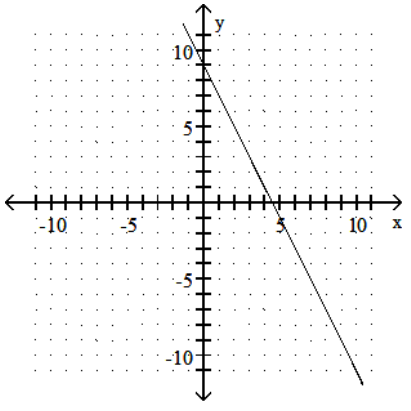

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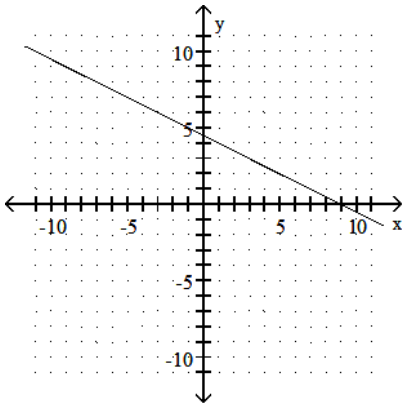

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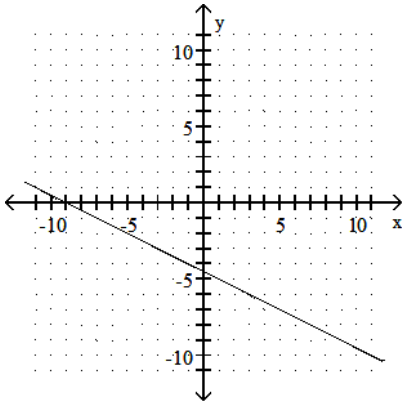

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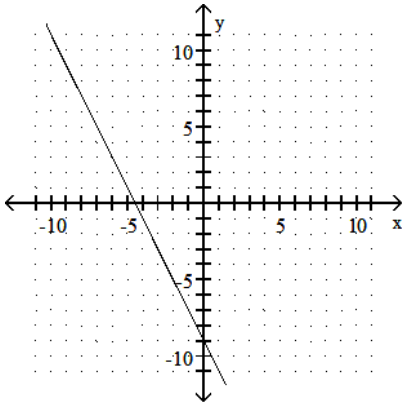
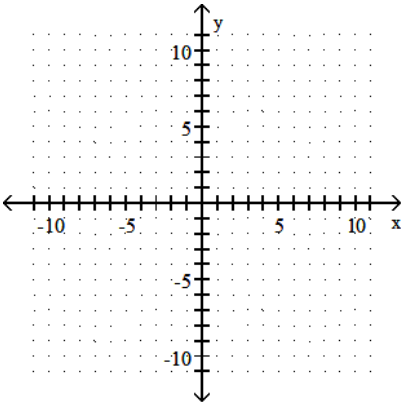


Answer: B

11) 5y + 20x = 45



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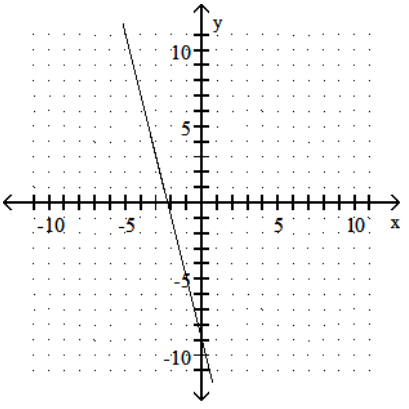

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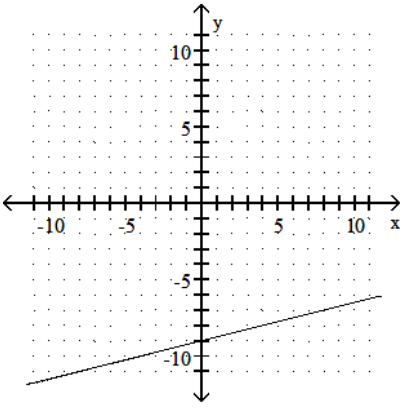

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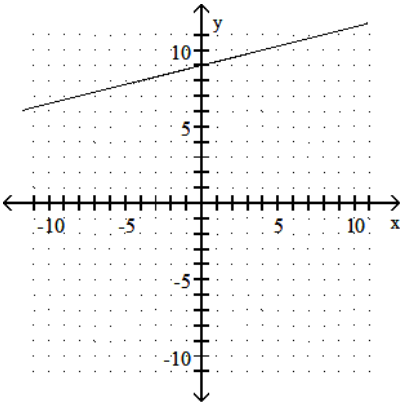

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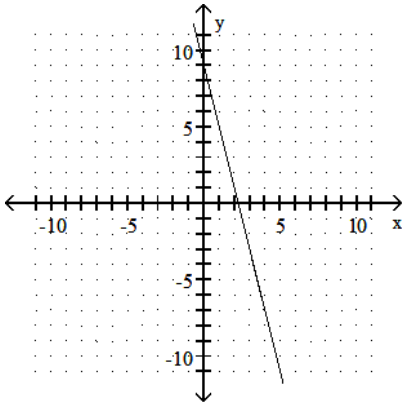
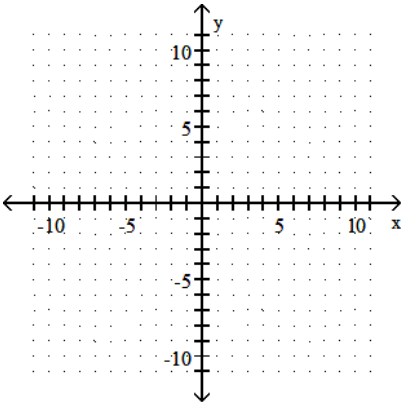
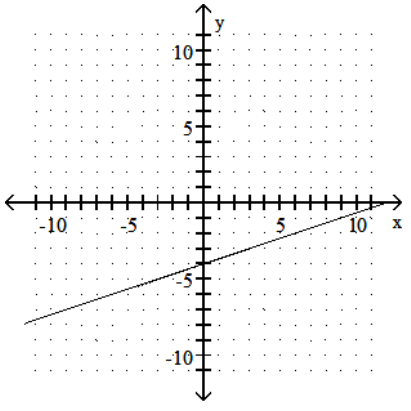


Answer: D

12) -3x = y + 4



A)



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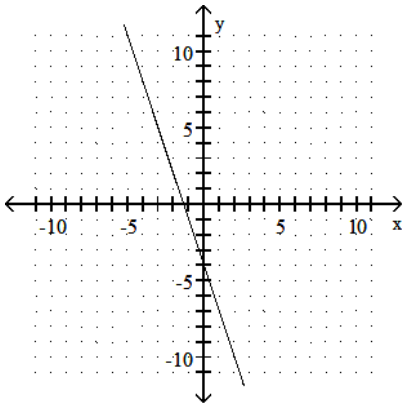

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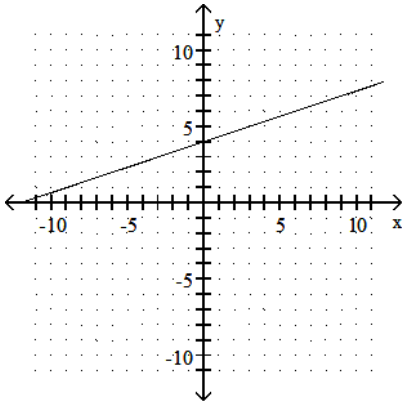

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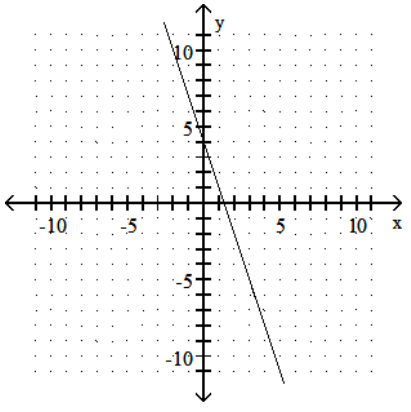
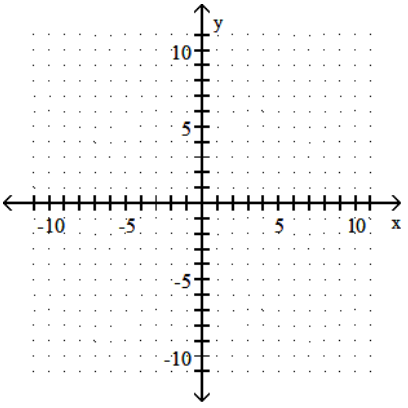


Answer: B

13) 12y = 4x + 8



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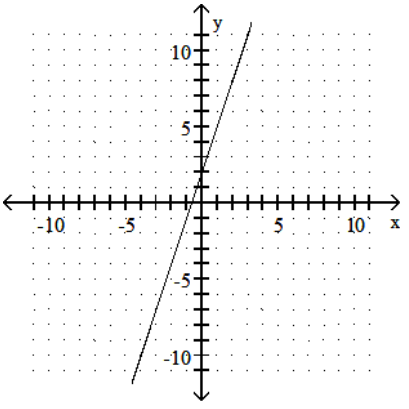

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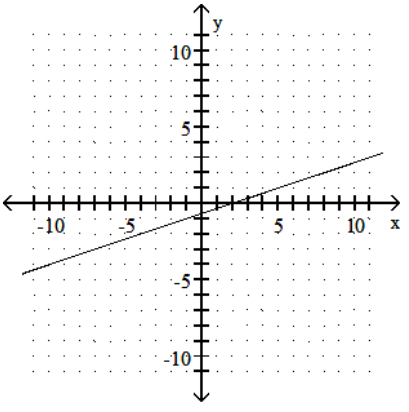

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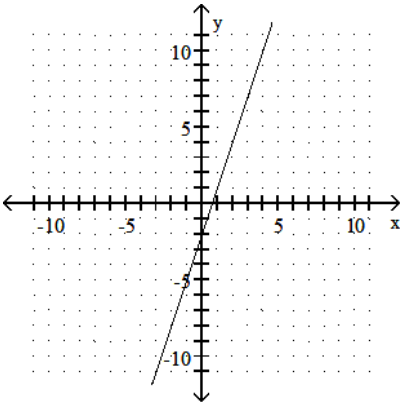

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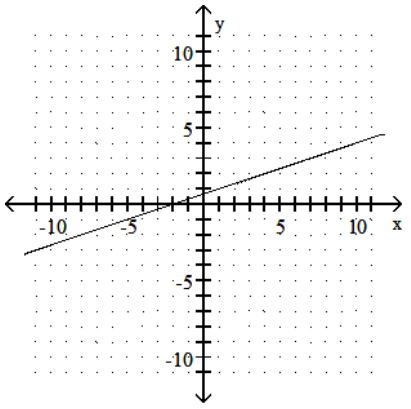
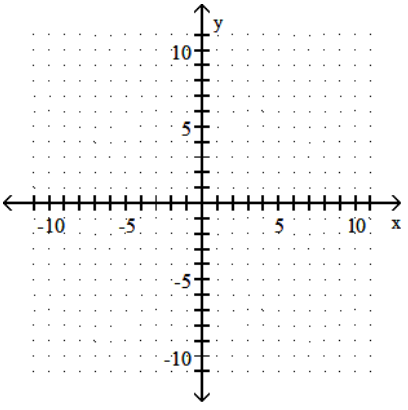


Answer: D

14) -4x - 24y = 28



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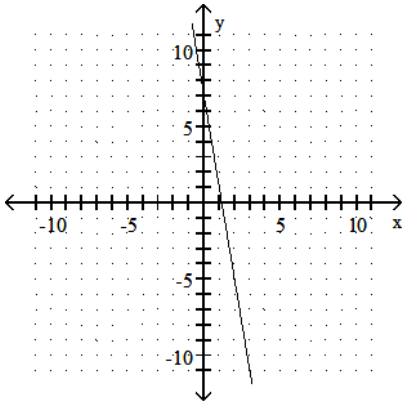

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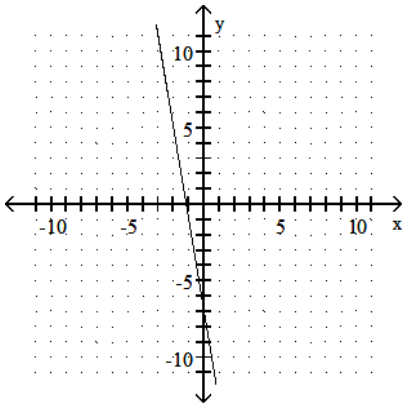

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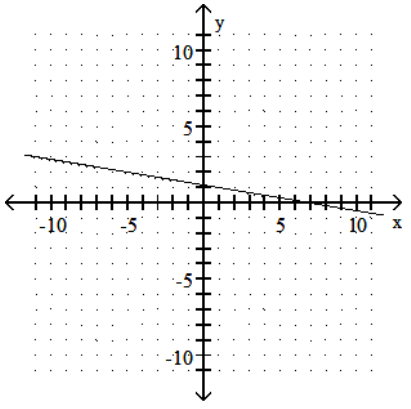

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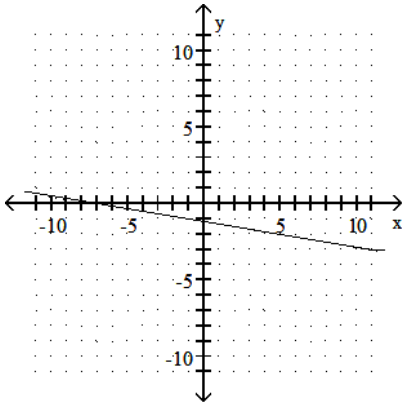
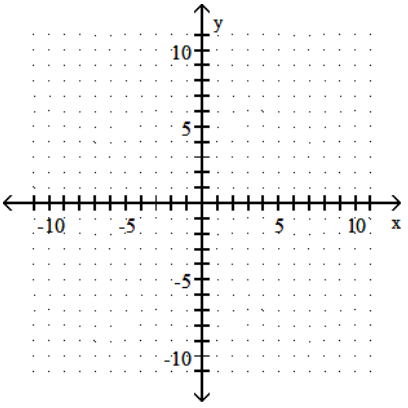


Answer: D

15) -9x - y = 0



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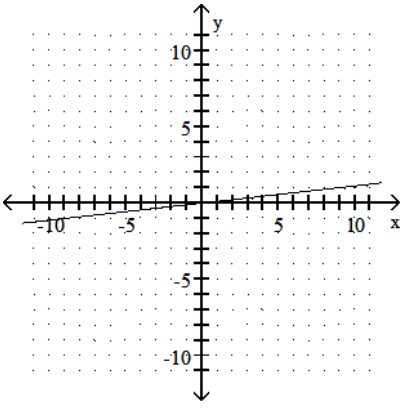

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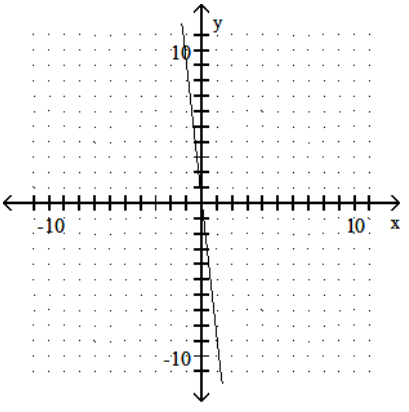

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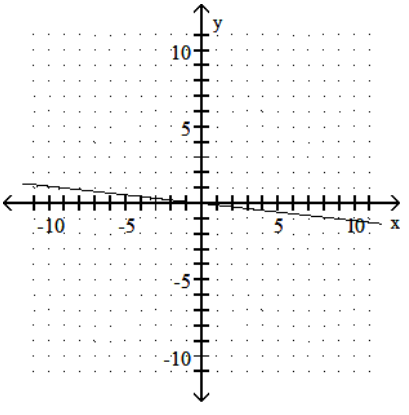

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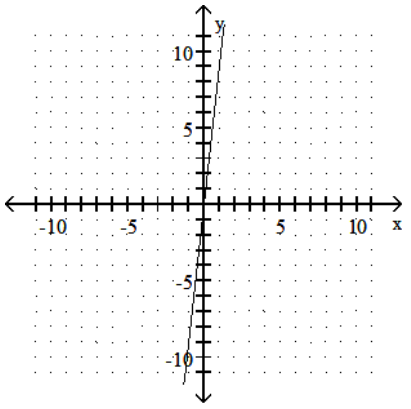
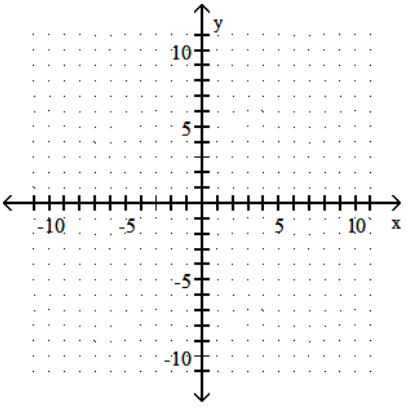


Answer: B

16) 6x + y = 0



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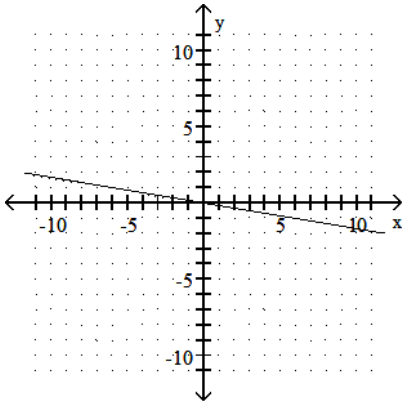

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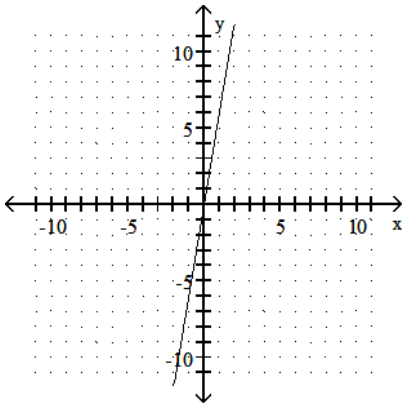

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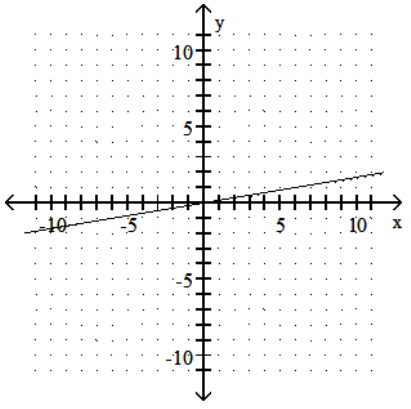

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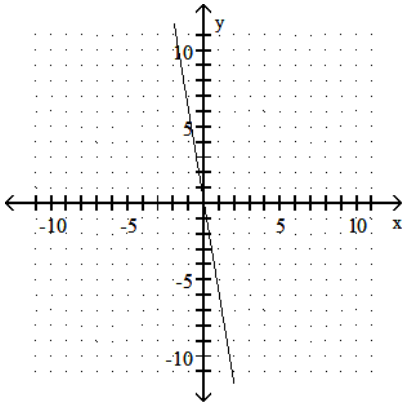
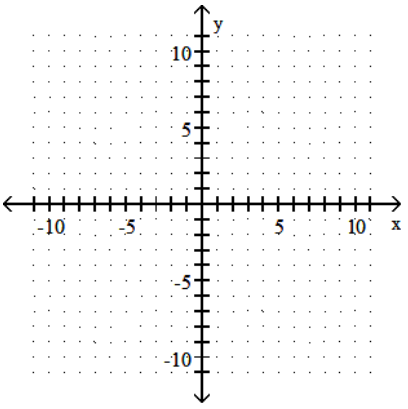
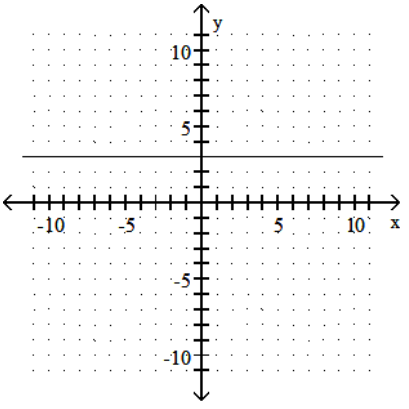


Answer: D

17) y + 3 = 0



A)



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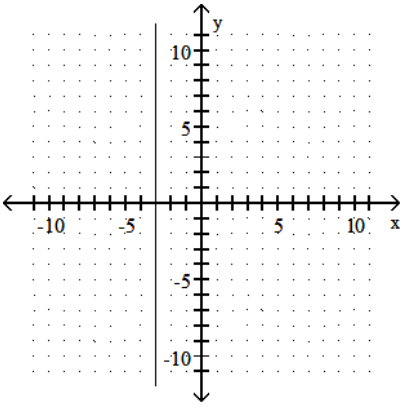

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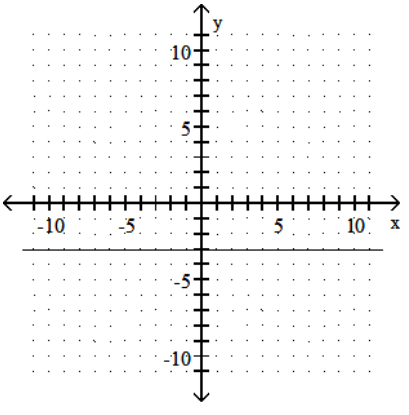

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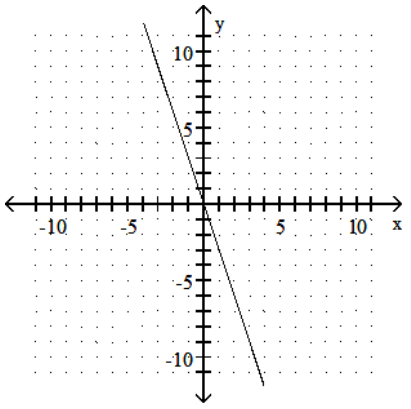
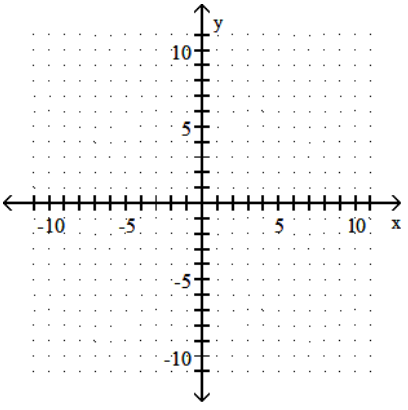


Answer: C

18) x = -3



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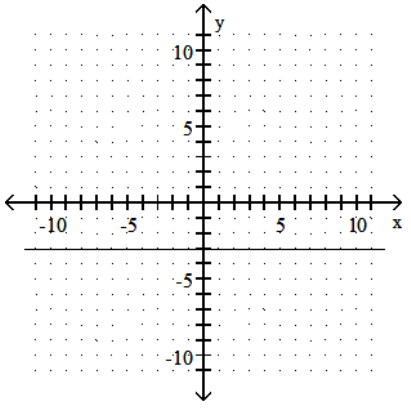

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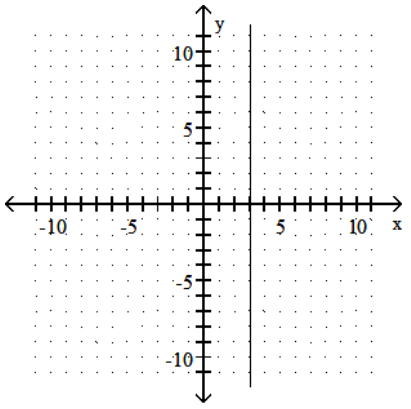

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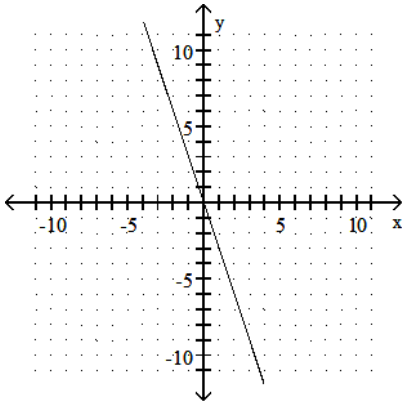

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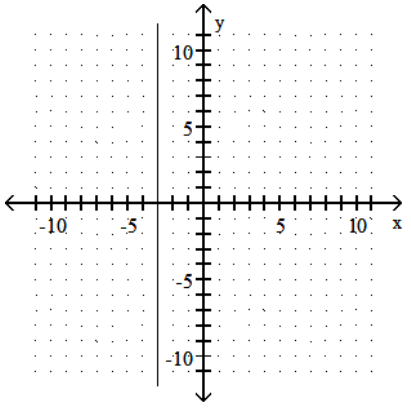
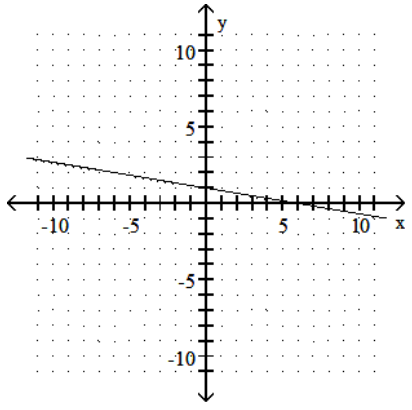


Answer: D

Give the x-intercepts and y-intercepts of the graph.

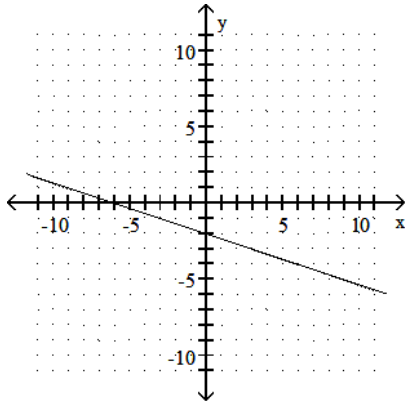
19)



A) x-intercept: -6; y-intercept: -1
B) x-intercept: 6; y-intercept: 1
C) x-intercept: 1; y-intercept: 6
D) x-intercept: -1; y-intercept: -6

Answer: B

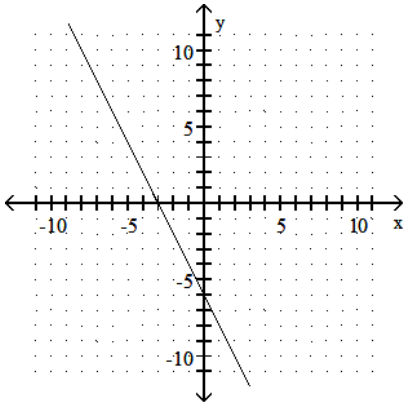
20)



A) x-intercept: -6; y-intercept: -2
B) x-intercept: -2; y-intercept: -6
C) x-intercept: 6; y-intercept: 2
D) x-intercept: 2; y-intercept: 6

Answer: A

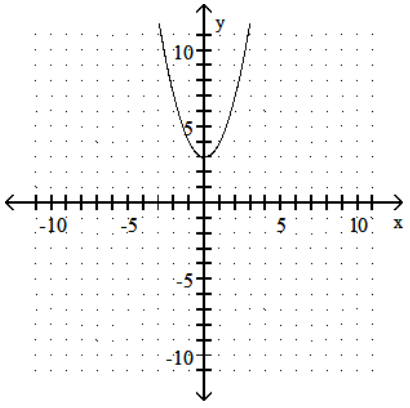
21)



A) x-intercept: 3; y-intercept: 6
B) x-intercept: -6; y-intercept: -3
C) x-intercept: 6; y-intercept: 3
D) x-intercept: -3; y-intercept: -6

Answer: D

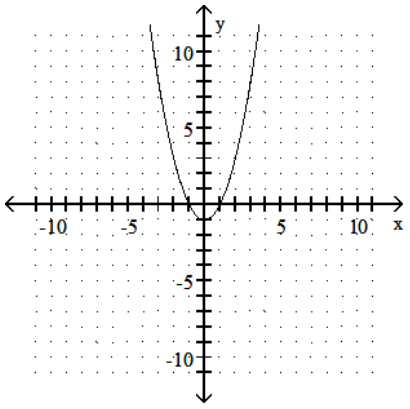
22)



A) y-intercept: -3
B) x-intercept: 3
C) x-intercept: -3
D) y-intercept: 3

Answer: D

23)



A) x-intercept: 1; y-intercepts: -1, 1
B) x-intercept: -1; y-intercepts: 1
C) x-intercepts: -1, 1; y-intercept: -1
D) x-intercept: 1; y-intercepts: -1

Answer: C

Find the x-intercepts and y-intercepts of the graph of the equation.

24) $x + y = 5$
A) x-intercept: 5; y-intercept: 5
B) x-intercept: 5; y-intercept: 3
C) x-intercept: 3; y-intercept: 2
D) x-intercept: 2; y-intercept: 3

Answer: A

25) $x + y = -7$
A) x-intercept: -5; y-intercept: -2
B) x-intercept: -2; y-intercept: -5
C) x-intercept: -7; y-intercept: -2
D) x-intercept: -7; y-intercept: -7

Answer: D

26) $3x + y = 6$
A) x-intercept: 2; y-intercept: 6
B) x-intercept: 5; y-intercept: -9
C) x-intercept: 6; y-intercept: 2
D) x-intercept: -9; y-intercept: 5

Answer: A

27) $4x + y = -8$
A) x-intercept: -8; y-intercept: -2
B) x-intercept: -4; y-intercept: 8
C) x-intercept: 8; y-intercept: -4
D) x-intercept: -2; y-intercept: -8

Answer: D

28) $-2x + y = -4$
A) x-intercept: 2; y-intercept: -4
B) x-intercept: -2; y-intercept: -8
C) x-intercept: -4; y-intercept: 2
D) x-intercept: -8; y-intercept: -2
Answer: A

29) $-4x + 2y = 8$
A) x-intercept: -2; y-intercept: 4
B) x-intercept: 4; y-intercept: -2
C) x-intercept: -4; y-intercept: -8
D) x-intercept: -8; y-intercept: -4
Answer: A

30) $-2x - 5y = 10$
A) x-intercept: -2; y-intercept: 6
B) x-intercept: 6; y-intercept: -2
C) x-intercept: 5; y-intercept: 2
D) x-intercept: -5; y-intercept: -2
Answer: D

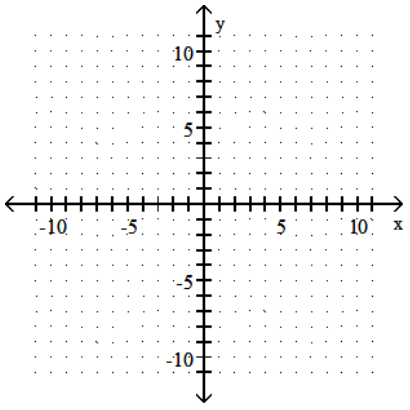
31) $y = x^2 + 2$
A) y-intercept: 0; no x-intercepts
B) y-intercept: 2; no x-intercepts
C) x-intercept: 2; no y-intercepts
D) y-intercept: -2; x-intercept: 2
Answer: B

32) $y = x^2 + 10$
A) y-intercept: 10; x-intercept: 0
B) x-intercept: 10; no y-intercepts
C) y-intercept: 0; no x-intercepts
D) y-intercept: 10; no x-intercepts
Answer: D

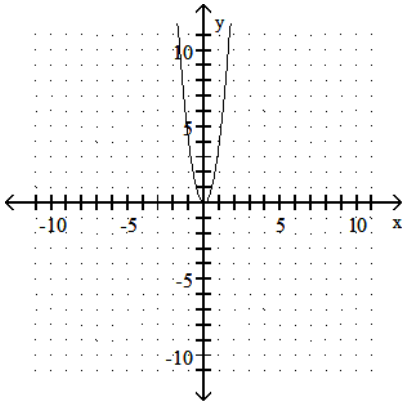
33) $y = x^2 - 2$
A) y-intercept: -2; x-intercepts: $\sqrt{2}$ and $-\sqrt{2}$
B) y-intercept: 2; x-intercepts: $\sqrt{2}$ and $-\sqrt{2}$
C) y-intercept: -2; x-intercept: $\sqrt{2}$
D) y-intercept: -2; x-intercepts: 0 and $\sqrt{2}$
Answer: A

Sketch the graph of the equation.

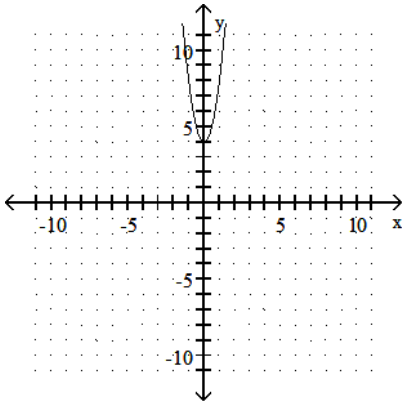
34) $y = 4x^2$



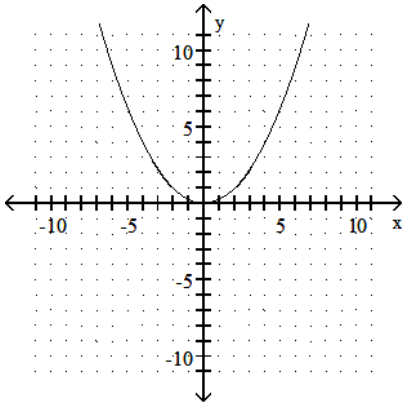
A)



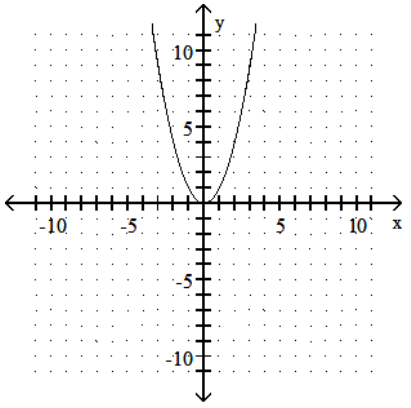
B)



C)

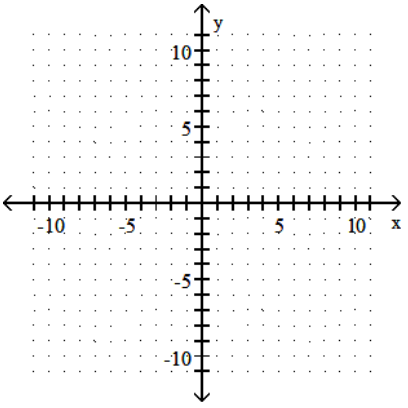


D)

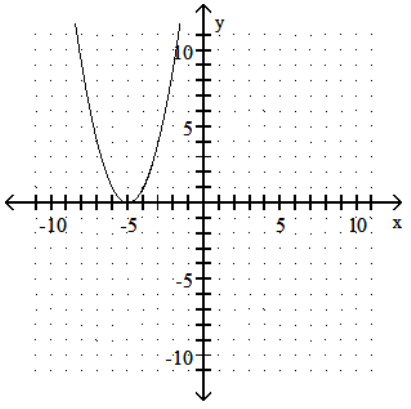


Answer: A

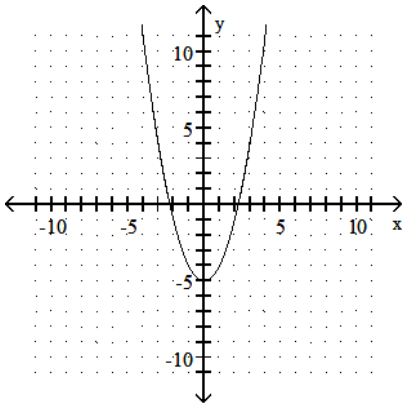
35) $y = x^2 - 5$



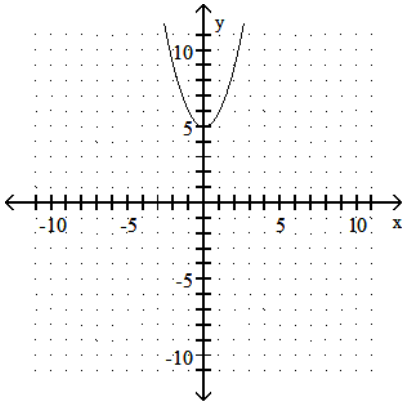
A)



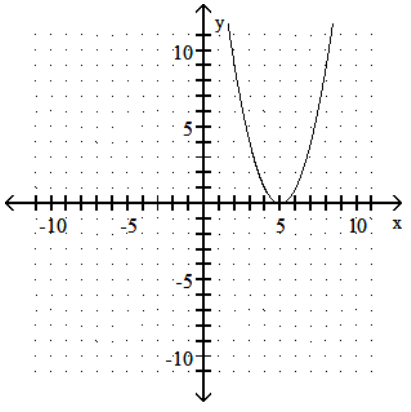
B)



C)

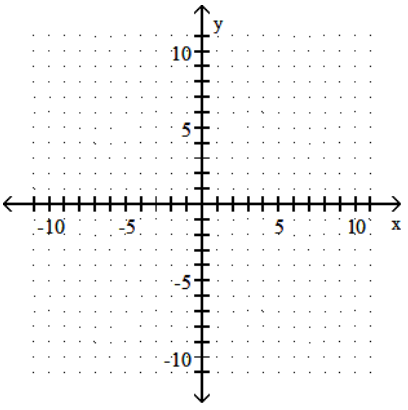


D)

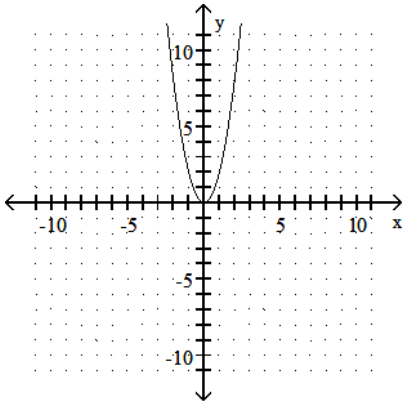


Answer: B

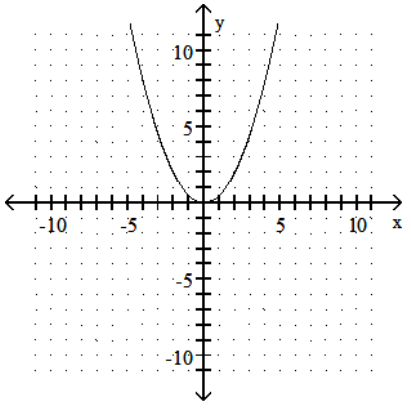
36) $y = \frac{1}{2}x^2$



A)



B)



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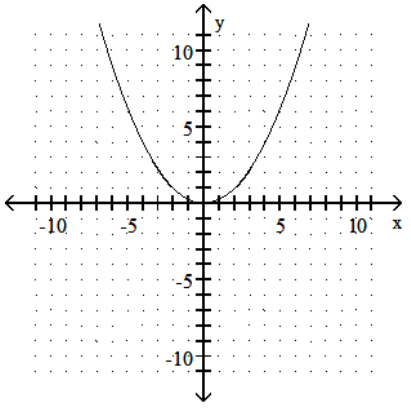
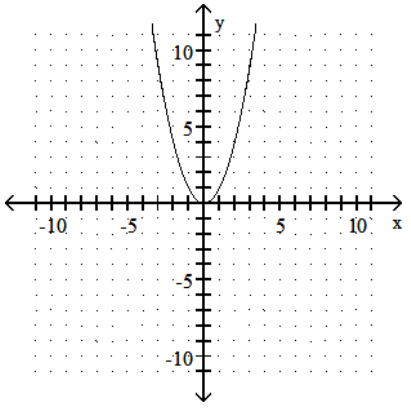
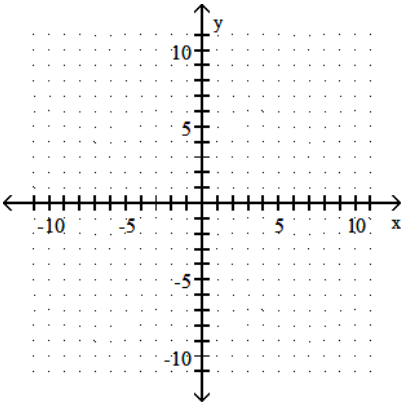


D)

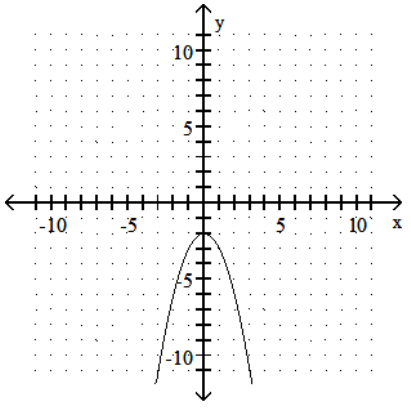


Answer: B

37) $y = -x^2 - 2$



A)



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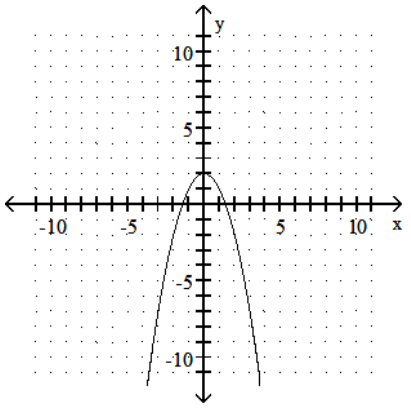

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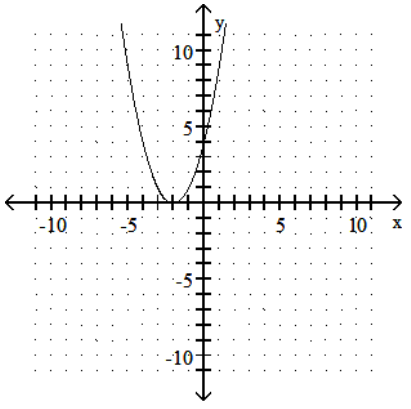
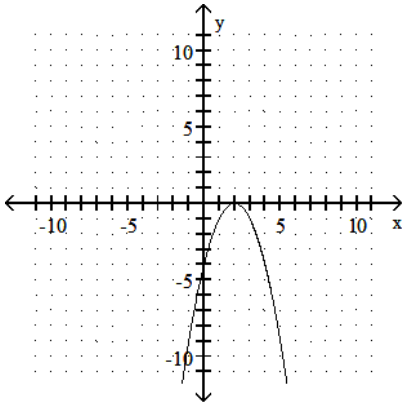
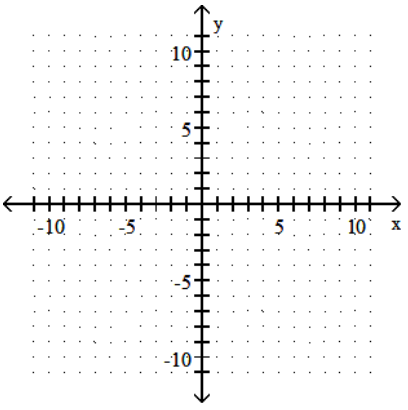


D)

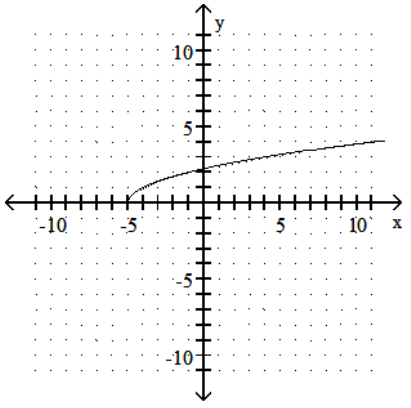


Answer: A

38) $y = \sqrt{x - 5}$



A)



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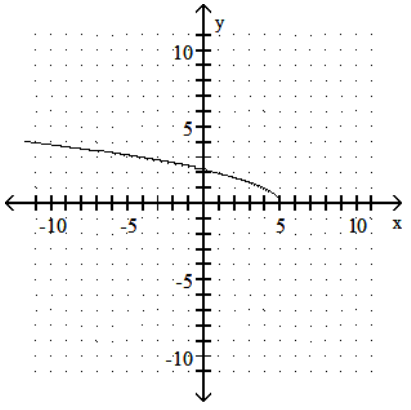
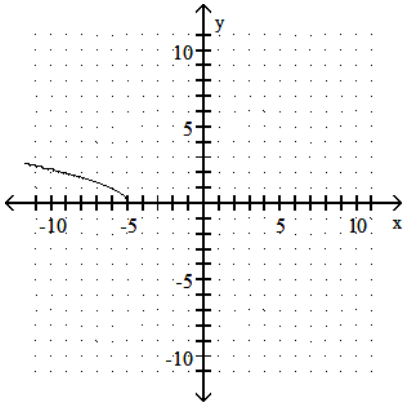
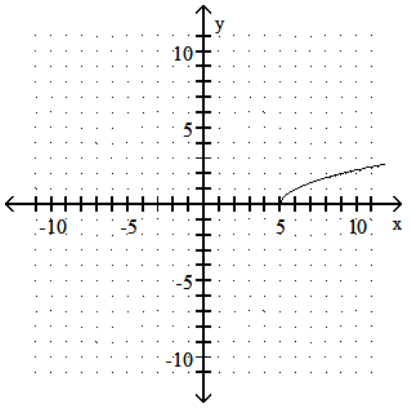


C)

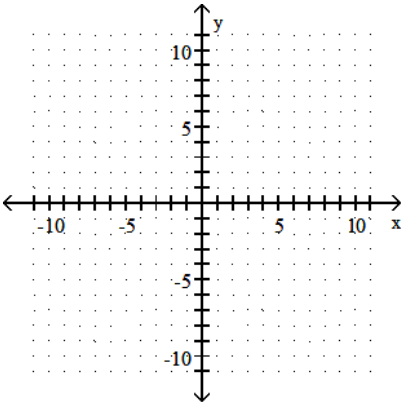


D)

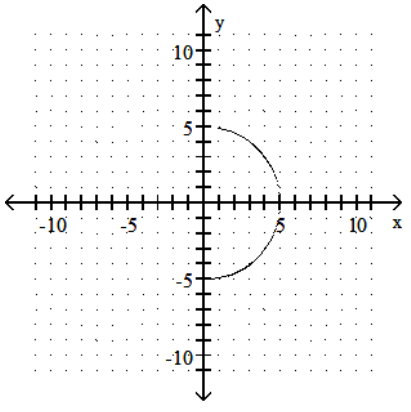


Answer: D

39) $y = -\sqrt{25 - x^2}$



A)



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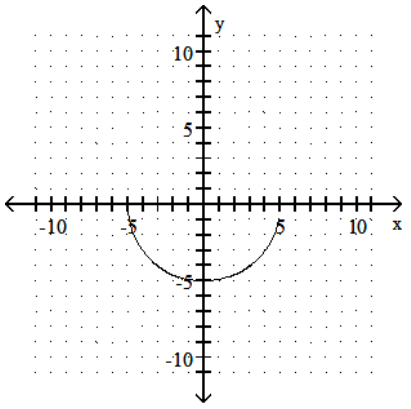

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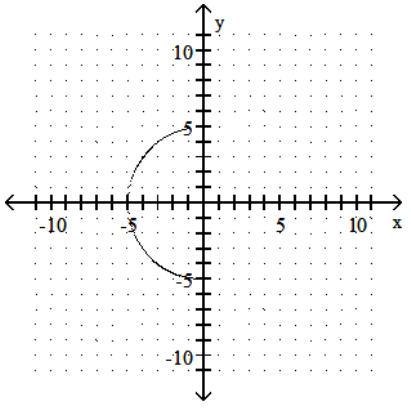
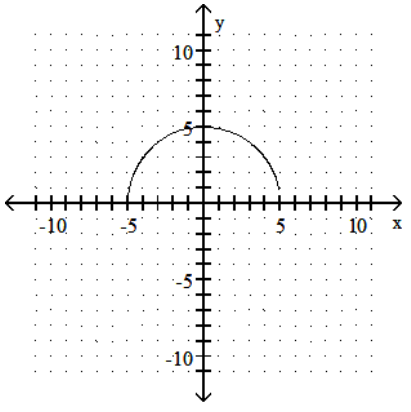
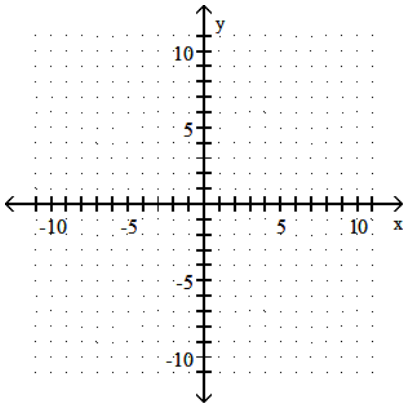


D)

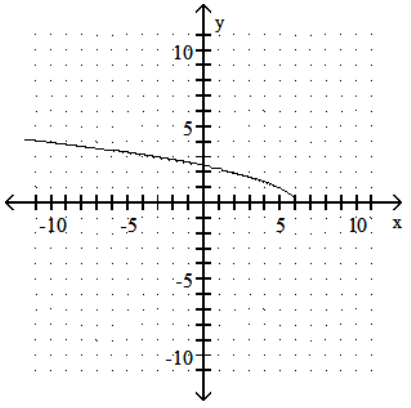


Answer: B

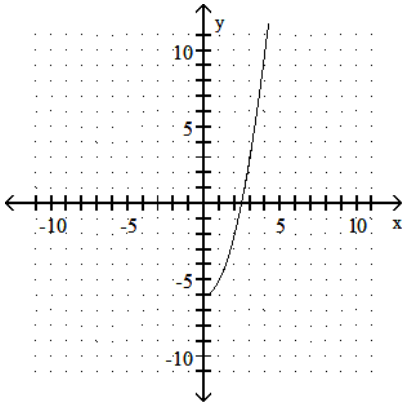
40) $y = -\sqrt{6 - x}$



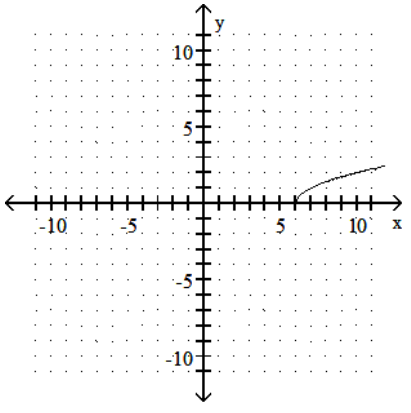
A)



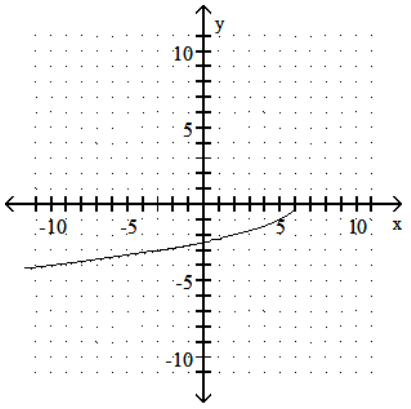
B)



C)

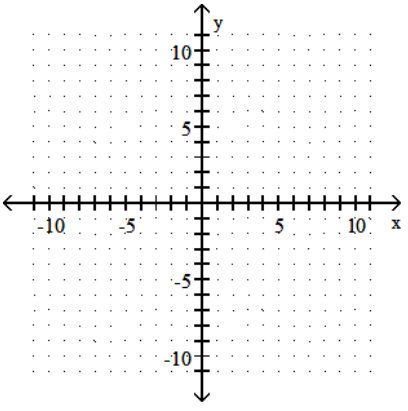


D)

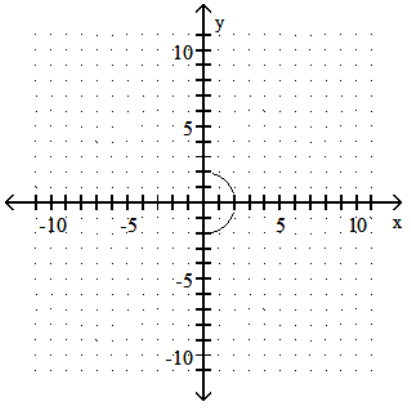


Answer: D

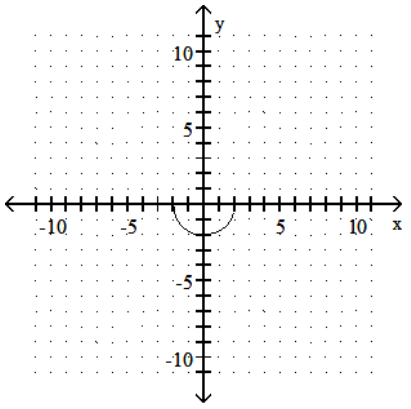
41) $y = \sqrt{4 - x^2}$



A)



B)



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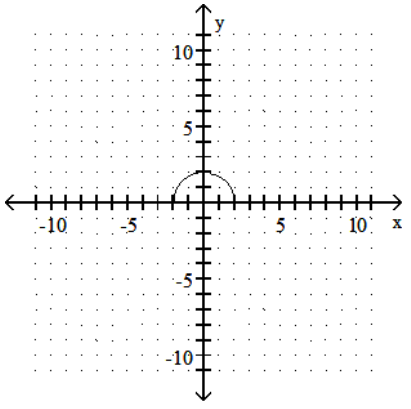
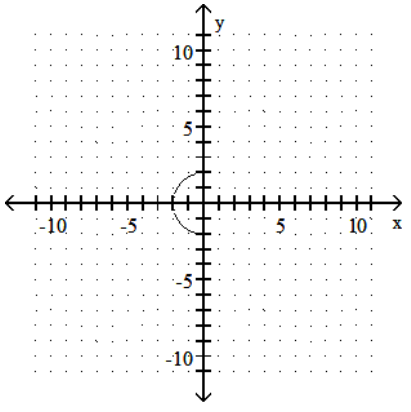
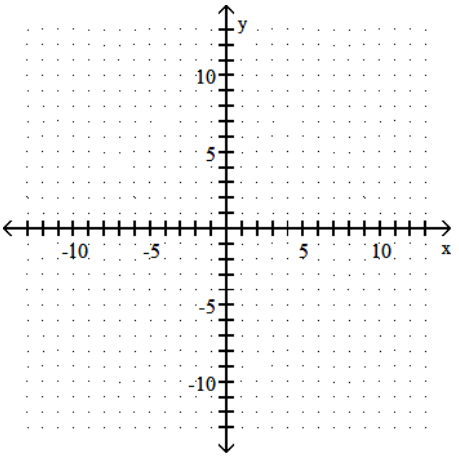


D)

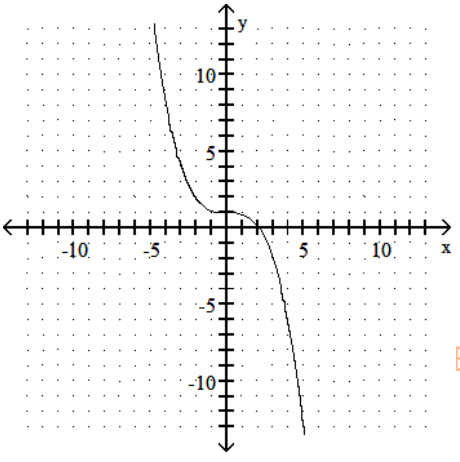


Answer: C

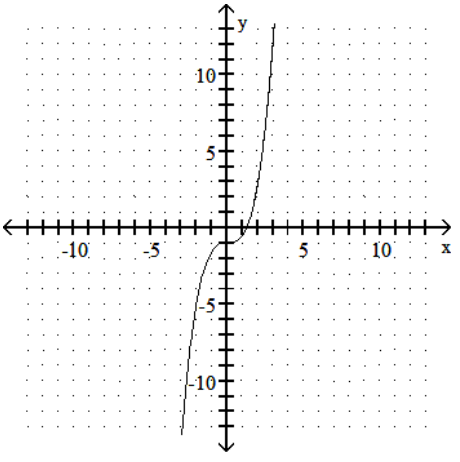
42) $y = \frac{1}{2}x^3 - 1$



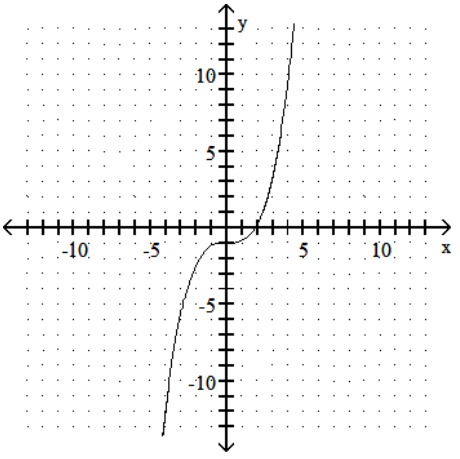
A)



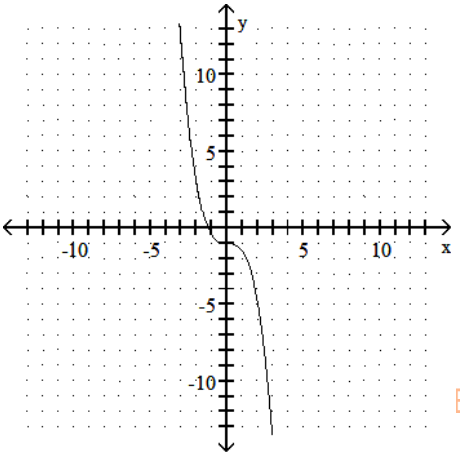
B)



C)

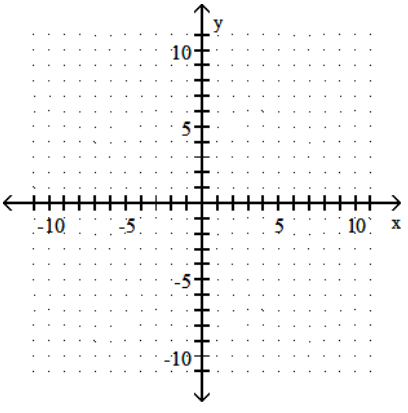


D)

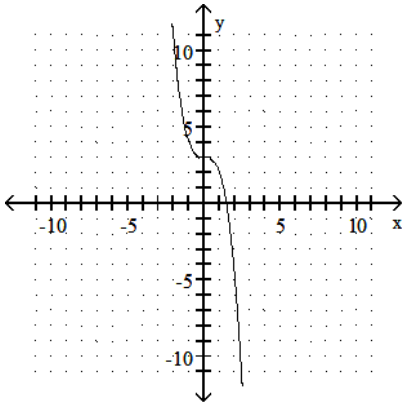


Answer: B

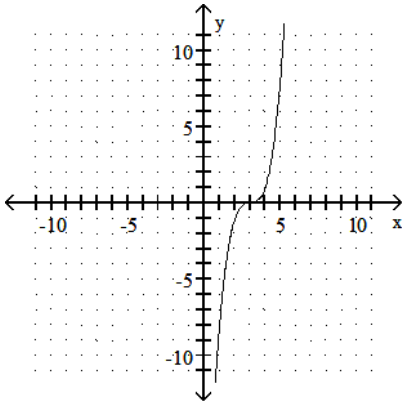
43) $y = x^3 + 3$



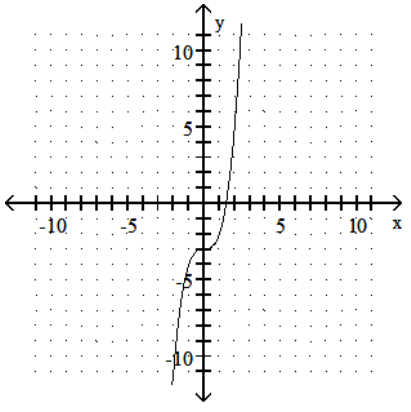
A)



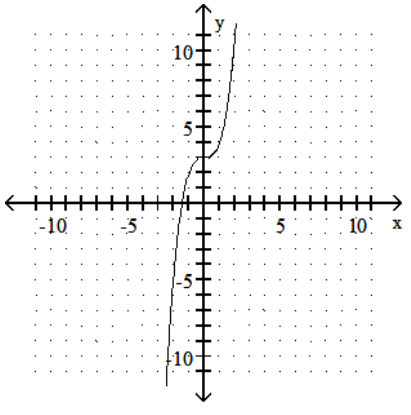
B)



C)



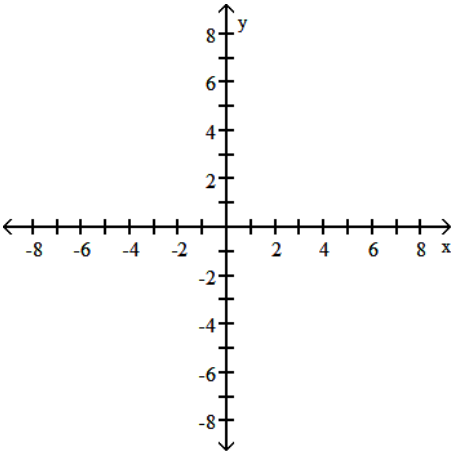
D)



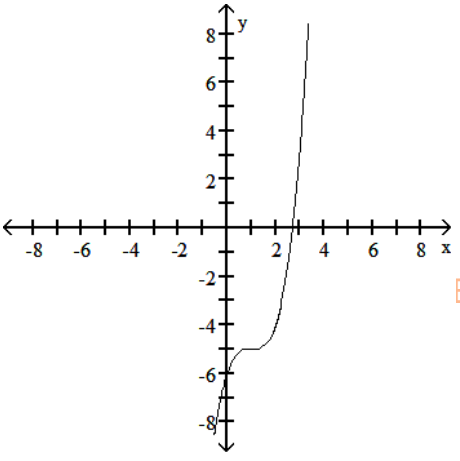
Answer: D

Use a graphing calculator to find the graph of the equation.

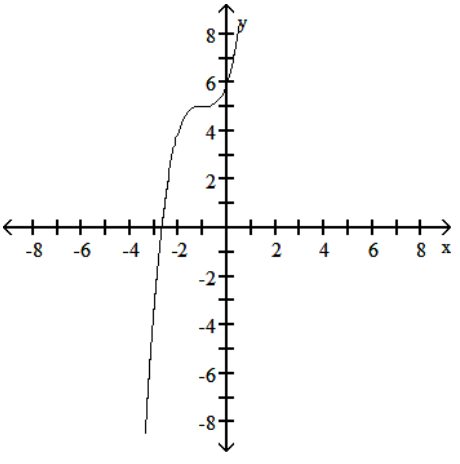
44) $y = (x + 1)^3 + 5$



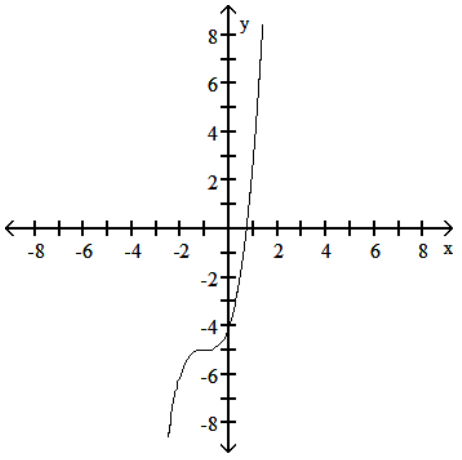
A)



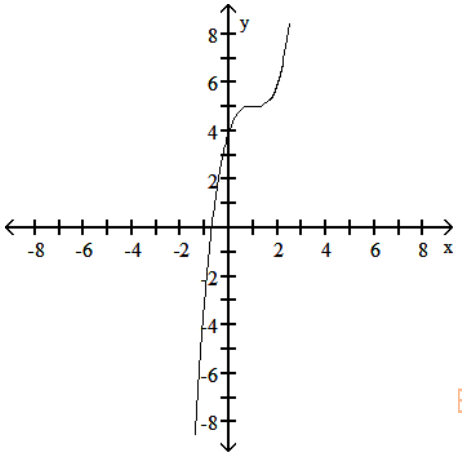
B)



C)

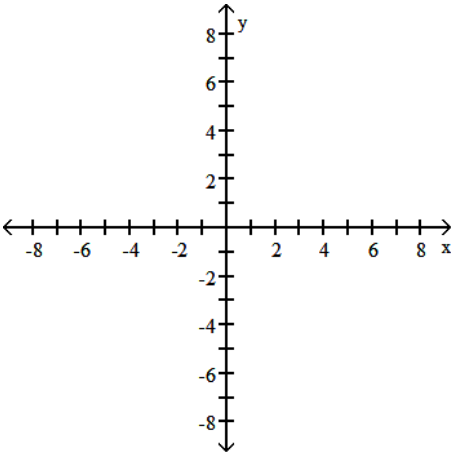


D)

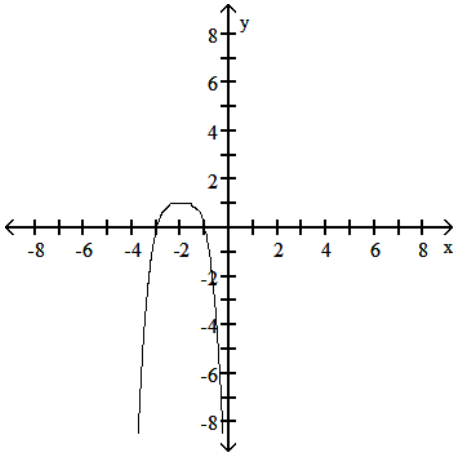


Answer: B

45) $y = -(x - 2)^4 + 1$



A)



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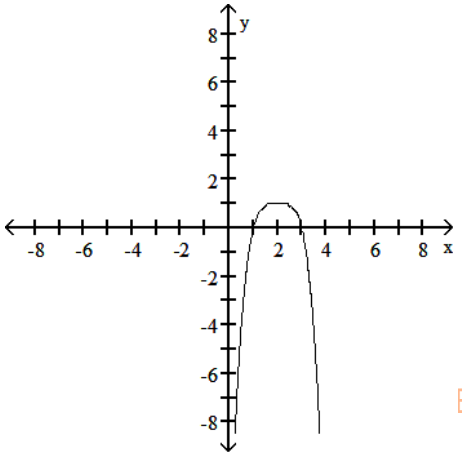
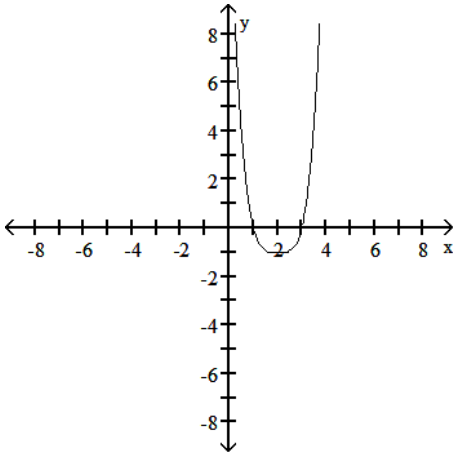
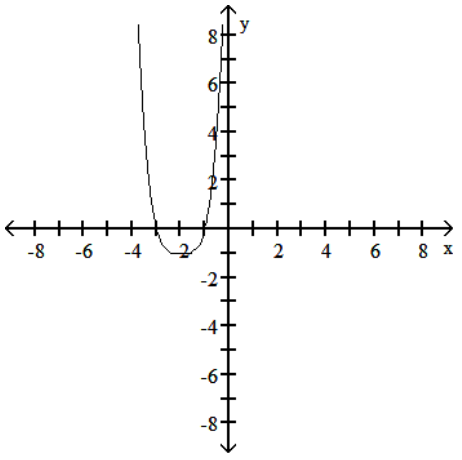


C)

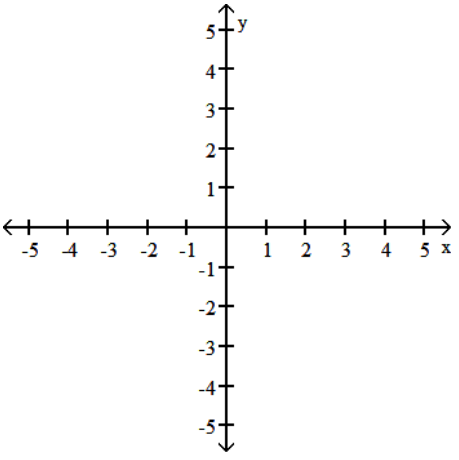


D)

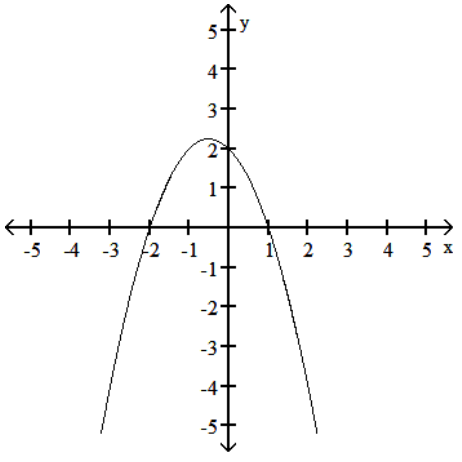


Answer: B

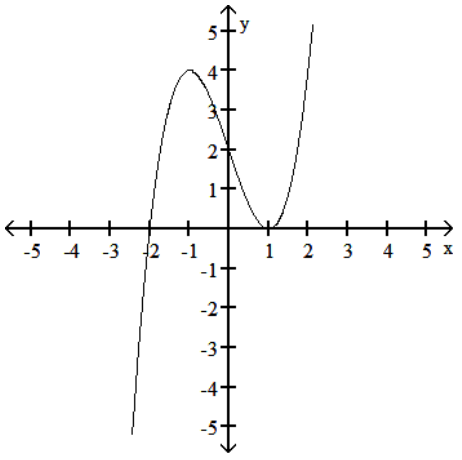
46) $y = x^3 - 3x + 2$



A)



B)



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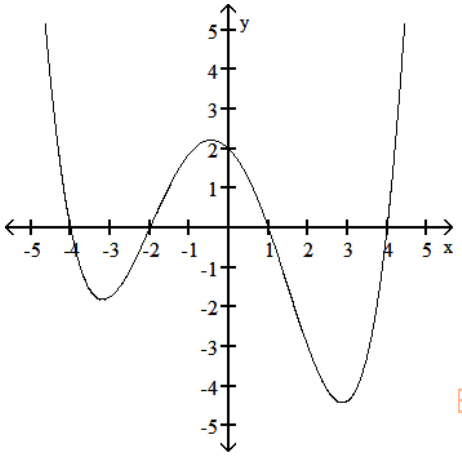
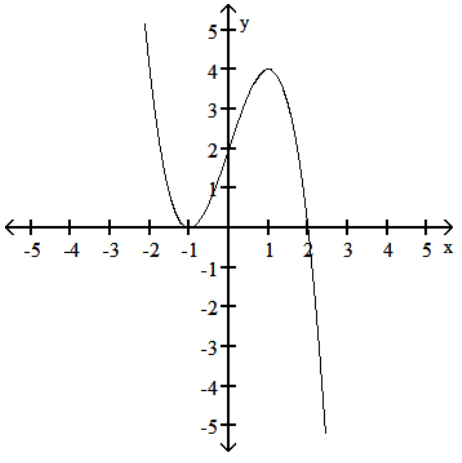
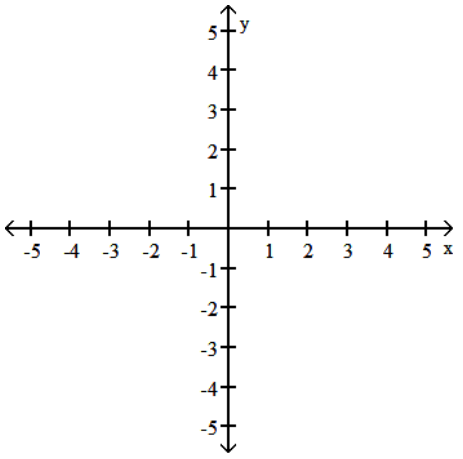


D)

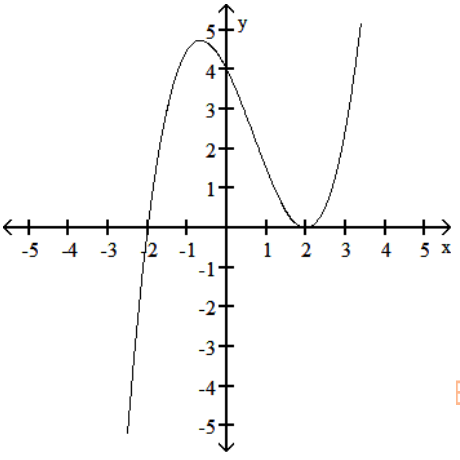


Answer: B

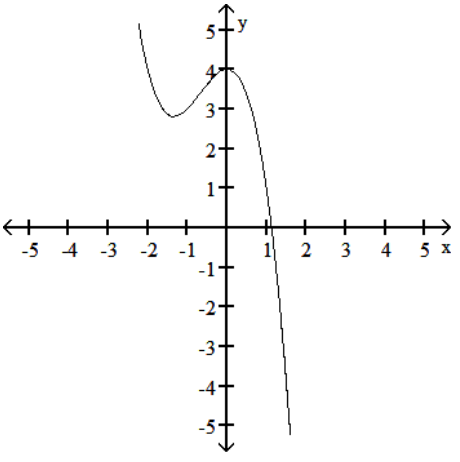
47) $y = x^4 + x^3 - 5x^2 - 4x + 4$



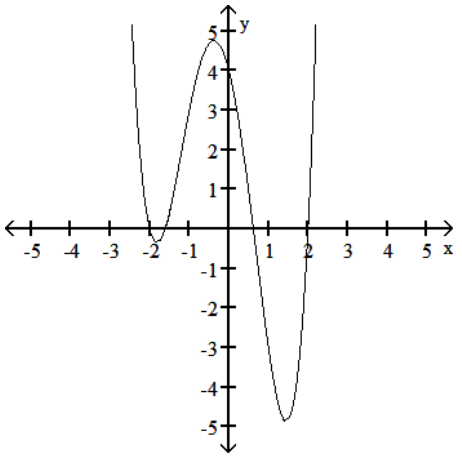
A)



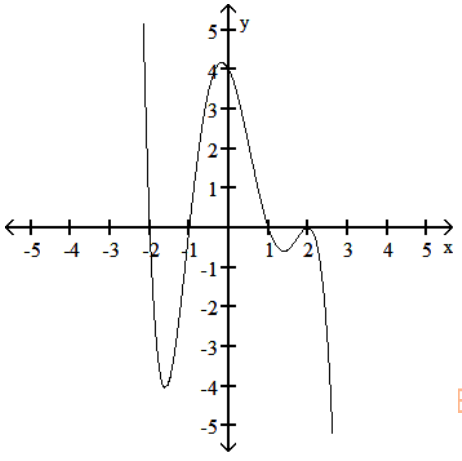
B)



C)



D)



Answer: C

Use a graphing calculator to approximate all real solutions of the equation.

48) $y = x^3 - 4x^2 - 25x + 100$

A) -4, 4, 5
B) 4
C) 25, 4, 100
D) -5, 4, 5

Answer: D

49) $y = x^3 - 12x - 16$

A) -2, 2, 4
B) -4, -2, 2
C) 2, -2, 4
D) -2, -2, 4

Answer: D

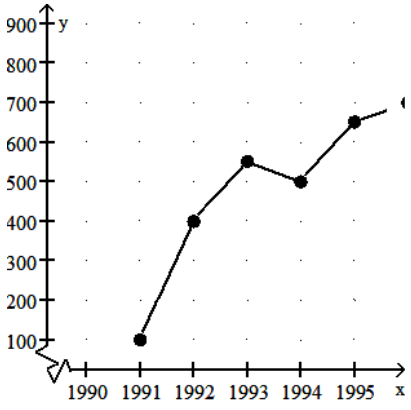
50) $y = x^4 + 6x^3 + 7x^2 - 6x - 8$

A) -4, -2, 1, 1
B) -1, 1, 2, 4
C) -4, -2, -1, 1
D) -2, -1, 1, 4

Answer: C

Solve the problem.

51)

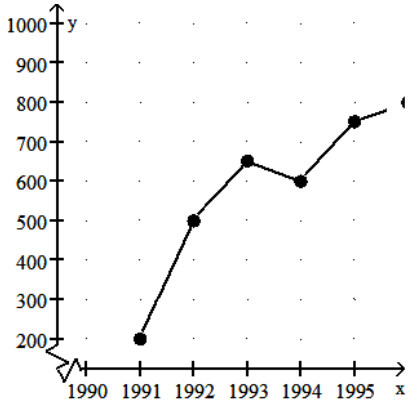


Crafty Bill's Cool Car Sales opened as a used car sales lot in 1991. The graph shows the number of cars sold as a function of time. What is the approximate number of cars sold in 1993?

A) 350
B) 400
C) 500
D) 550

Answer: D

52)

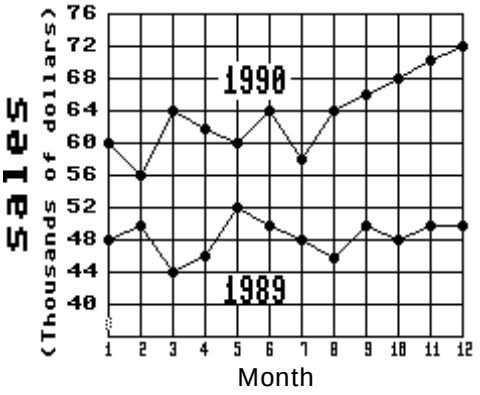


Crafty Bill's Cool Car Sales opened as a used car sales lot in 1991. The graph shows the number of cars sold as a function of time. What is the approximate number of cars sold in 1995?

A) 750
B) 700
C) 600
D) 350

Answer: A

53) Big "D" Sales
1989-1990

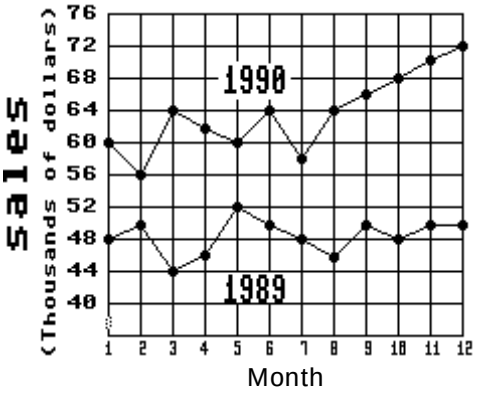


Which month in 1989 had the lowest sales?

A) Month 3
B) Month 2
C) Month 8
D) Month 6

Answer: A

54) Big "D" Sales
1989-1990

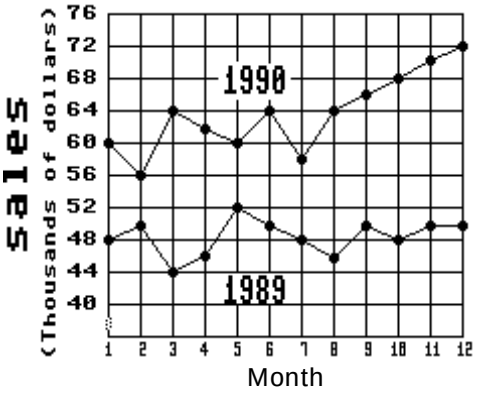


What was the increase in sales between month 5 and month 6 of 1990?

A) $4000
B) $800
C) $4
D) $8000

Answer: A

55) Big "D" Sales
1989-1990

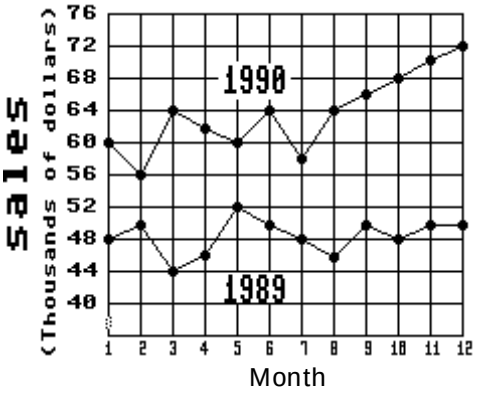


What were the total sales for the first 6 months of 1990?

A) $366,000
B) $286,000
C) $64,000
D) $302,000

Answer: A

56) Big "D" Sales
1989-1990

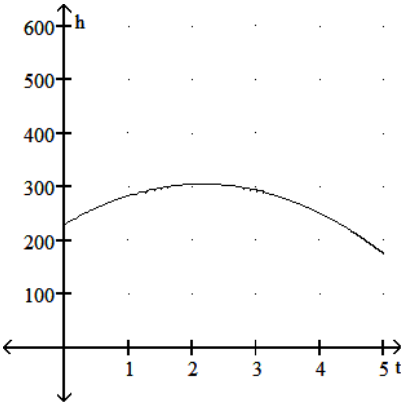


What was the difference between the highest and lowest monthly sales in 1989?

A) $8000
B) $2000
C) $4000
D) $6000

Answer: A

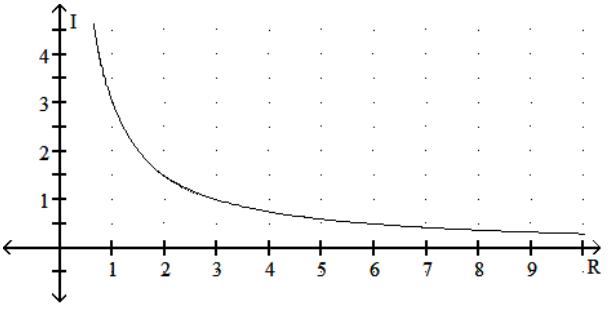
57) The height h in feet of a projectile thrown upward from the roof of a building after time t seconds is shown in the graph below. How high will the projectile be after 1.5 s?



A) 325 ft
B) 300 ft
C) 275 ft
D) 350 ft

Answer: B

58) The graph shows the relationship between current I and resistance R if the voltage is fixed. Find the current if the resistance is 2.2 Ω.



A) 1.2 A
B) 1.8 A
C) 1.6 A
D) 1.4 A

Answer: D

Find the slope of the line, if it is defined.

59) Through (-5, -2) and (2, -9)

A) -1
B) 1
C) -7
D) 7

Answer: A

60) Through (-9, -7) and (-4, 6)

A) $2\frac{3}{5}$

B) Undefined

C) -1

D) $2\frac{5}{3}$

Answer: A

61) Through (-9, -3) and (-3, -9)

A) 6

B) Undefined

C) -1

D) -6

Answer: C

62) Through (-2, -8) and (3, -1)

A) Undefined

B) $-1\frac{2}{5}$

C) $1\frac{2}{5}$

D) 1

Answer: C

63) Through (-5, -2) and (-5, -5)

A) 1

B) 3

C) -3

D) Undefined

Answer: D

64) Through (5, 5) and (2, 5)

A) 2

B) 1

C) 8

D) 0

Answer: D

65) Through the origin and (3, -6)

A) -6

B) 3

C) -2

D) 2

Answer: C

66) Through the origin and (3, 5)

A) $1\frac{2}{3}$

B) Undefined

C) $1\frac{3}{2}$

D) 5

Answer: A

Write an equation in slope-intercept form of a line satisfying the given conditions.

67) $m = -\frac{8}{9}$; $b = \frac{34}{9}$

A) $y = -\frac{8}{9}x + \frac{34}{9}$

B) $y = \frac{8}{9}x - \frac{34}{9}$

C) $y = \frac{8}{9}x + \frac{34}{9}$

D) $y = -\frac{8}{9}x - \frac{34}{9}$

Answer: A

68) $m = -\frac{2}{5}$; $b = 7$

A) $y = \frac{2}{5}x - 7$

B) $y = -\frac{2}{5}x - 7$

C) $y = -\frac{2}{5}x + 7$

D) $y = \frac{2}{5}x + 7$

Answer: C

69) $m = \frac{9}{2}$; $b = -6$

A) $y = \frac{9}{2}x + 6$

B) $y = -\frac{9}{2}x + 6$

C) $y = -\frac{9}{2}x - 6$

D) $y = \frac{9}{2}x - 6$

Answer: D

70) $m = \frac{1}{2}$; $b = 2$

A) $y = \frac{1}{2}x + 2$

B) $y = -\frac{1}{2}x - 2$

C) $y = -\frac{1}{2}x + 2$

D) $y = \frac{1}{2}x - 2$

Answer: A

71) $m = \frac{9}{4}$; $b = -5$

A) $y = \frac{9}{4}x + 5$

B) $y = -\frac{9}{4}x + 5$

C) $y = \frac{9}{4}x - 5$

D) $y = -\frac{9}{4}x - 5$

Answer: C

72) Slope $-\frac{4}{9}$; y-intercept $\frac{53}{9}$

A) $y = \frac{4}{9}x - \frac{53}{9}$

B) $y = \frac{4}{9}x + \frac{53}{9}$

C) $y = -\frac{4}{9}x + \frac{53}{9}$

D) $y = -\frac{4}{9}x - \frac{53}{9}$

Answer: C

73) Slope $-\frac{7}{8}$; y-intercept $\frac{75}{8}$

A) $y = \frac{7}{8}x - \frac{75}{8}$

B) $y = -\frac{7}{8}x - \frac{75}{8}$

C) $y = -\frac{7}{8}x + \frac{75}{8}$

D) $y = \frac{7}{8}x + \frac{75}{8}$

Answer: C

74) Slope $-\frac{5}{6}$; y-intercept $\frac{10}{6}$

A) $y = \frac{5}{6}x + \frac{10}{6}$

B) $y = -\frac{5}{6}x + \frac{10}{6}$

C) $y = \frac{5}{6}x - \frac{10}{6}$

D) $y = -\frac{5}{6}x - \frac{10}{6}$

Answer: B

75) Slope $-\frac{5}{9}$; y-intercept 5

A) $y = \frac{5}{9}x - 5$

B) $y = \frac{5}{9}x + 5$

C) $y = -\frac{5}{9}x + 5$

D) $y = -\frac{5}{9}x - 5$

Answer: C

76) Slope $-\frac{5}{6}$; y-intercept 2

A) $y = \frac{5}{6}x - 2$

B) $y = -\frac{5}{6}x - 2$

C) $y = \frac{5}{6}x + 2$

D) $y = -\frac{5}{6}x + 2$

Answer: D

Find the slope and the y-intercept of the line.

77) $3x + 4y = 17$

A) $m = \frac{4}{3}$; $b = \frac{17}{4}$

B) $m = -\frac{4}{3}$; $b = 4$

C) $m = \frac{3}{4}$; $b = 17$

D) $m = -\frac{3}{4}$; $b = \frac{17}{4}$

Answer: D

78) $-3y = -2x - 15$

A) $m = -\frac{2}{3}$; $b = -15$

B) $m = \frac{3}{2}$; $b = 5$

C) $m = -\frac{3}{2}$; $b = -3$

D) $m = \frac{2}{3}$; $b = 5$

Answer: D

79) $2x - 3y = 13$

A) $m = -\frac{2}{3}$; $b = 13$

B) $m = \frac{2}{3}$; $b = -\frac{13}{3}$

C) $m = \frac{3}{2}$; $b = -\frac{13}{3}$

D) $m = -\frac{3}{2}$; $b = -3$

Answer: B

80) $3x - 5y = -19$

A) $m = -\frac{3}{5}$; $b = -19$

B) $m = \frac{5}{3}$; $b = \frac{19}{5}$

C) $m = \frac{3}{5}$; $b = \frac{19}{5}$

D) $m = -\frac{5}{3}$; $b = -5$

Answer: C

81) $y = \frac{2}{7}x$

A) $m = \frac{2}{7}$; $b = 0$

B) $m = \frac{7}{2}$; $b = \frac{2}{7}$

C) $m = 1$; $b = 0$

D) $m = 0$; $b = \frac{2}{7}$

Answer: A

82) y = 6x - 4

A) m = 0; b = 4
B) m = -6; b = -4
C) m = 1; b = 0
D) m = 6; b = -4

Answer: D

83) x + y = -4

A) m = 1; b = 4
B) m = 0; b = -1
C) m = -4; b = 0
D) m = -1; b = -4

Answer: D

84) x + 2y = 5

A) m = $-\frac{1}{2}$; b = $\frac{5}{2}$
B) m = -2; b = 0
C) m = 2; b = 10
D) m = $\frac{1}{2}$; b = 10

Answer: A

85) 9x - 2y = 12

A) m = $\frac{9}{2}$; b = 12
B) m = -9; b = 6
C) m = 0; b = 9
D) m = $\frac{9}{2}$; b = -6

Answer: D

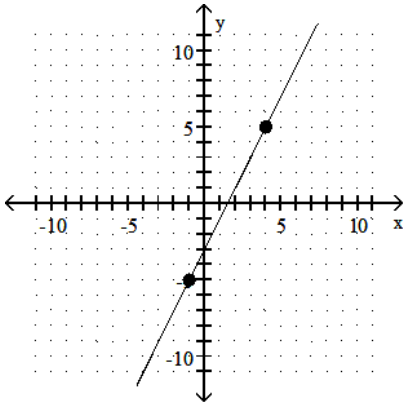
86) 9y + 4x = -5

A) m = $\frac{4}{9}$; b = 0
B) m = $-\frac{4}{9}$; b = $-\frac{5}{9}$
C) m = -4; b = -5
D) m = 9; b = 0

Answer: B

Identify whether the slope is positive, negative, zero, or undefined.

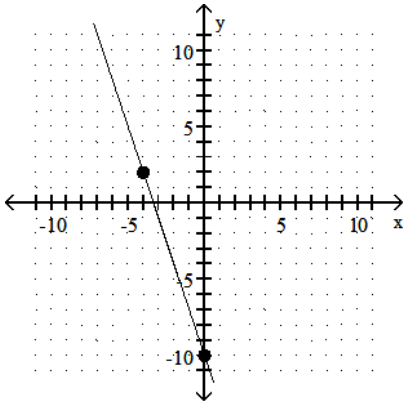
87)



A) Undefined
B) Negative
C) Zero
D) Positive

Answer: D

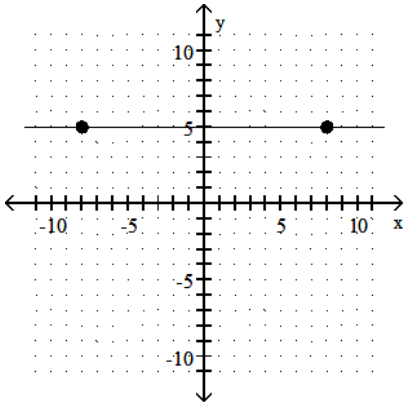
88)



A) Positive
B) Negative
C) Zero
D) Undefined

Answer: B

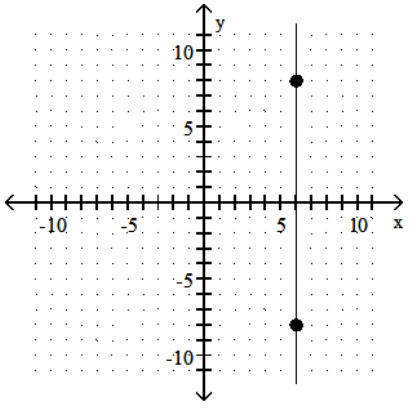
89)



A) Negative
B) Undefined
C) Zero
D) Positive

Answer: C

90)



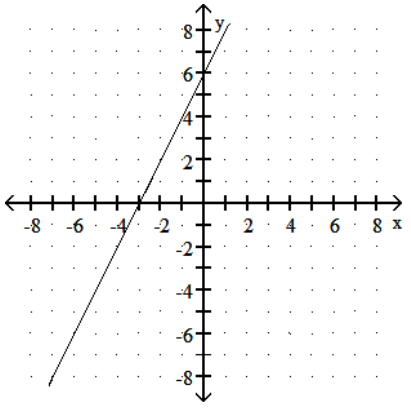
A) Positive
B) Negative
C) Undefined
D) Zero

Answer: C

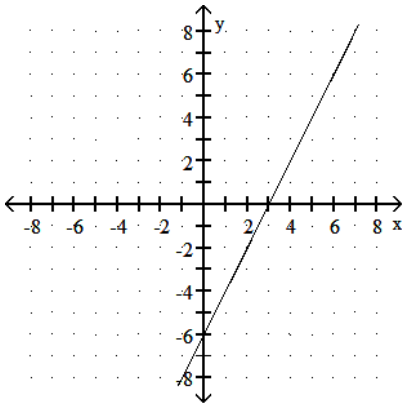
Choose one of the four lines graphed which most closely resembles the graph of the given equation.

91) y = 2x + 6

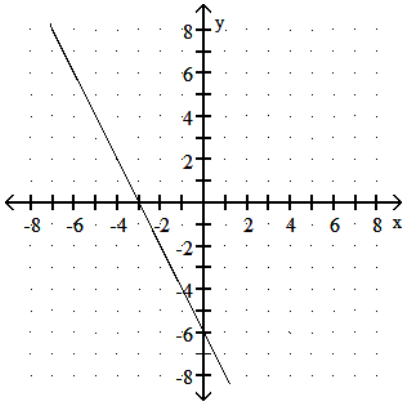
A)



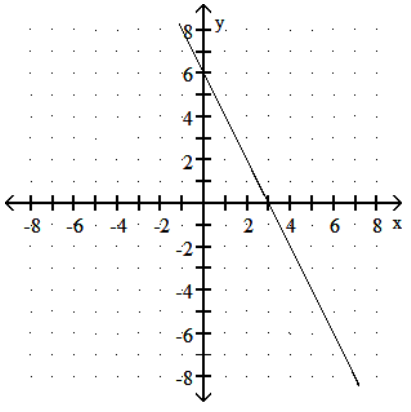
B)



C)



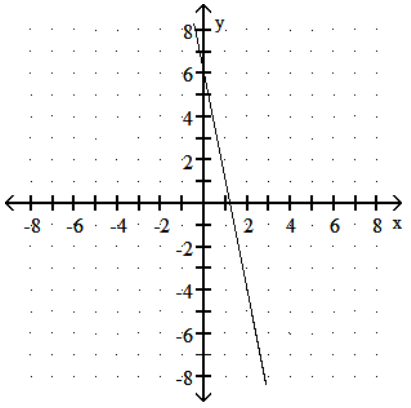
D)



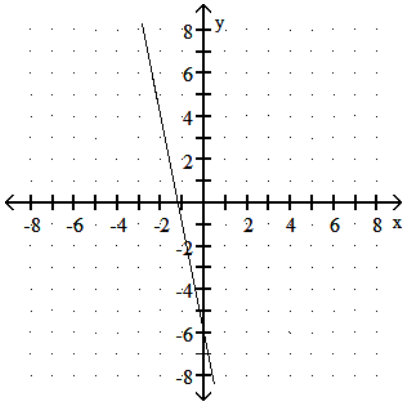
Answer: A

92) y = 5x - 6

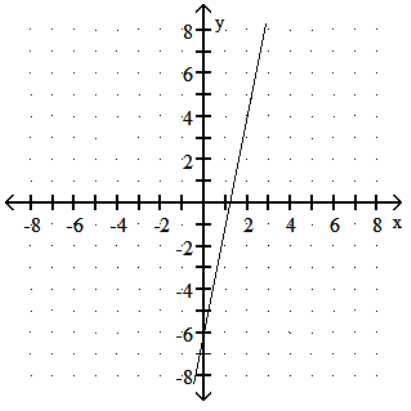
A)



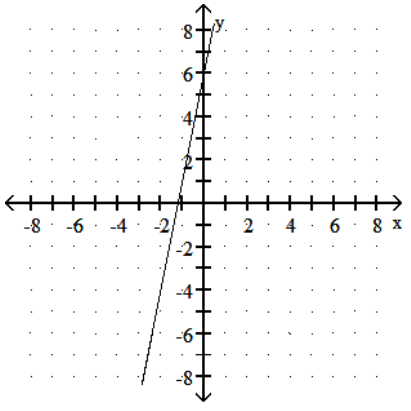
B)



C)



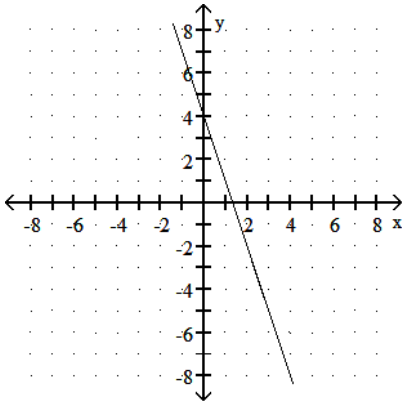
D)



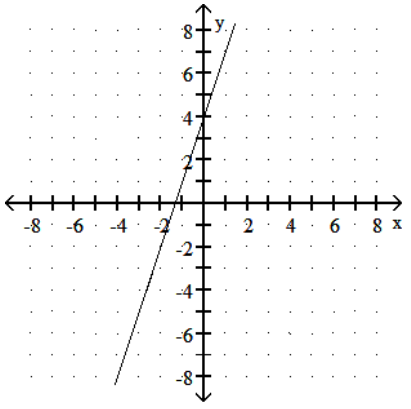
Answer: C

93) y = -3x + 4

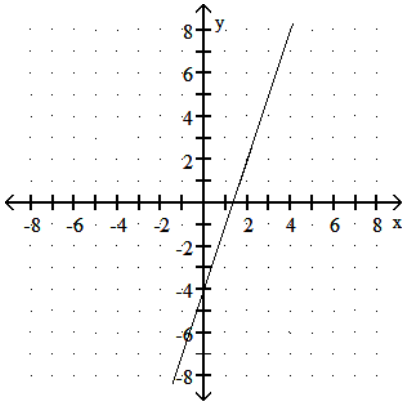
A)



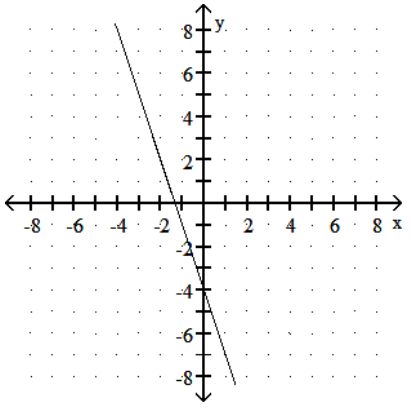
B)



C)



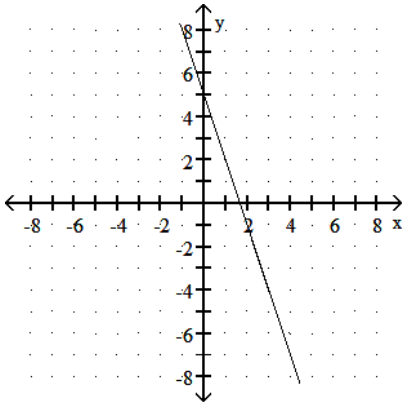
D)



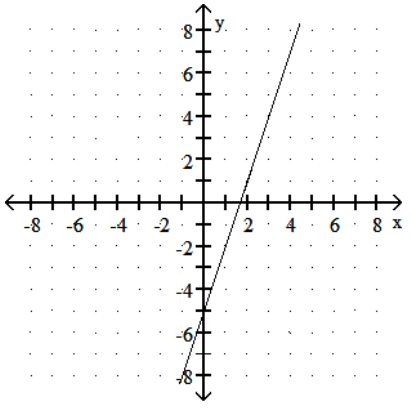
Answer: A

94) y = -3x - 5

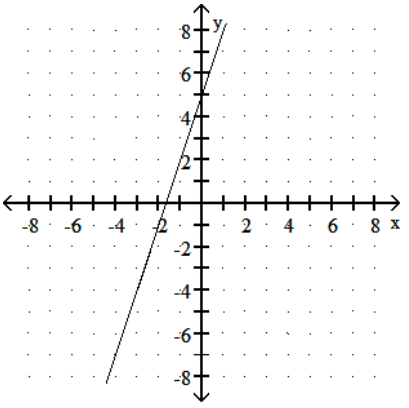
A)



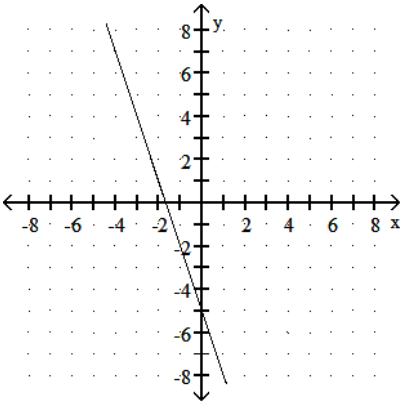
B)



C)



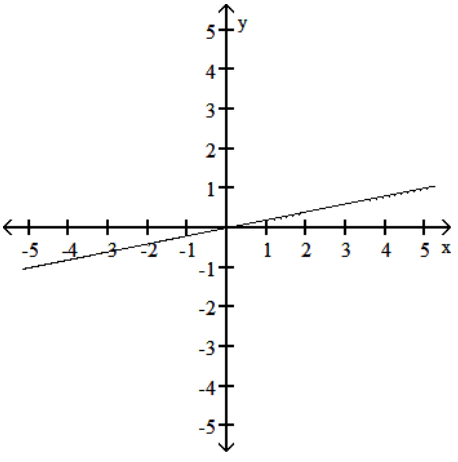
D)



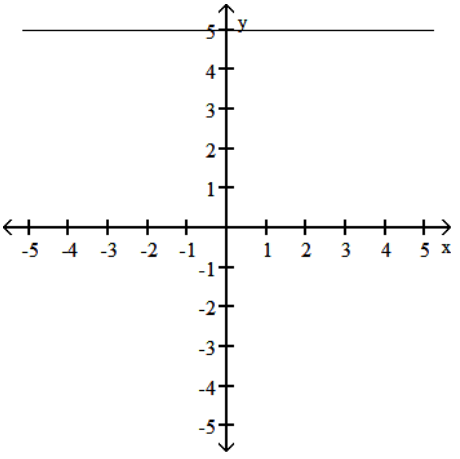
Answer: D

95) y = 5x

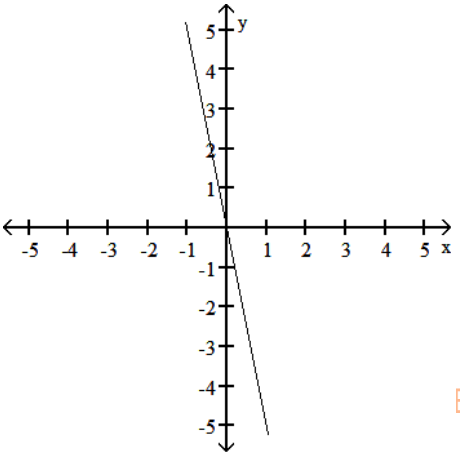
A)



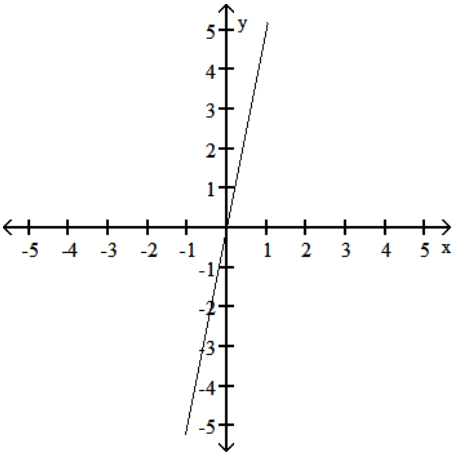
B)



C)



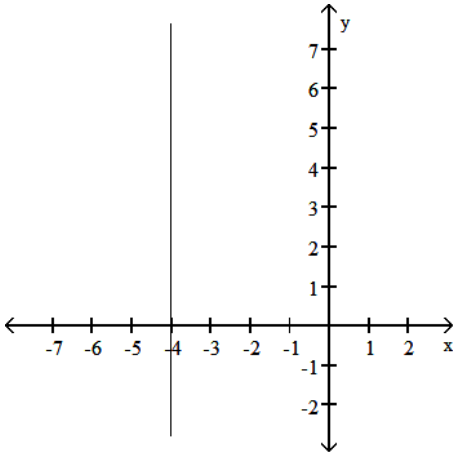
D)



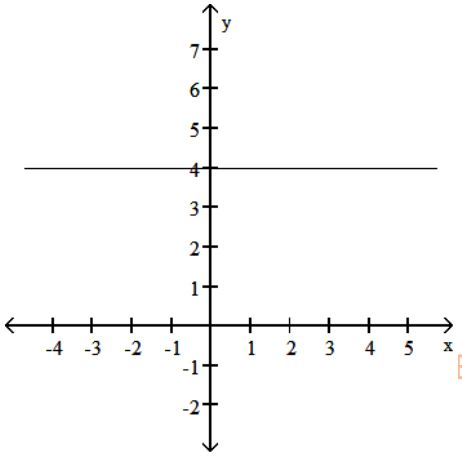
Answer: D

96) y = -4

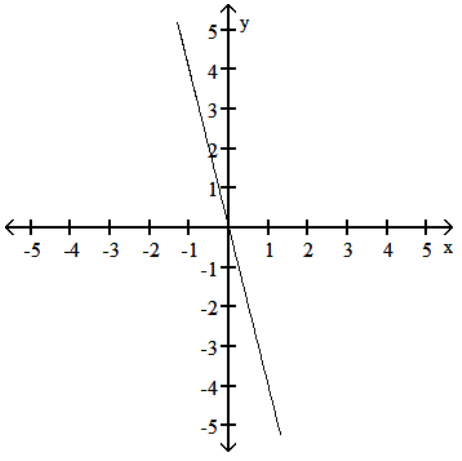
A)



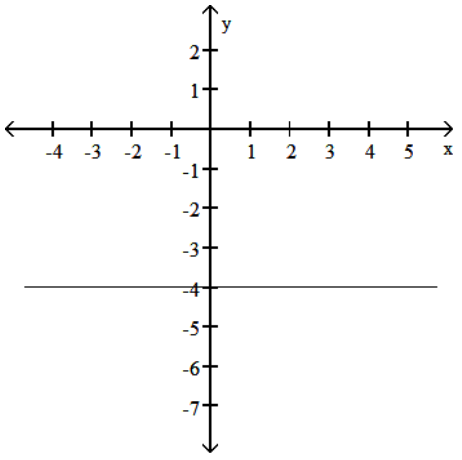
B)



C)



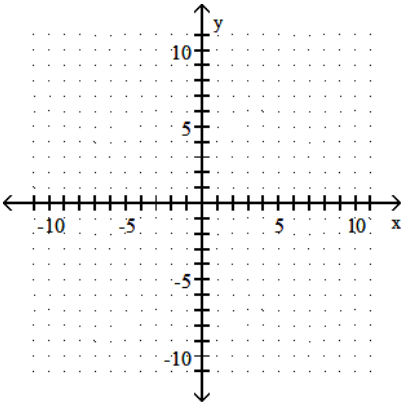
D)



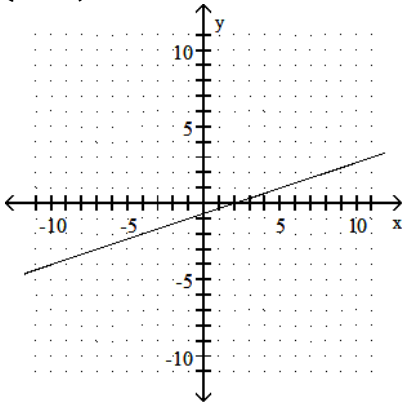
Answer: D

Find the x- and y-intercepts for the equation. Then graph the equation.

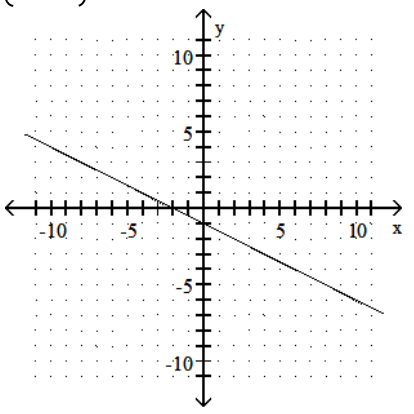
97) 15y - 5x = -10



A) $\left(0, -\frac{2}{3}\right)$, (2, 0)

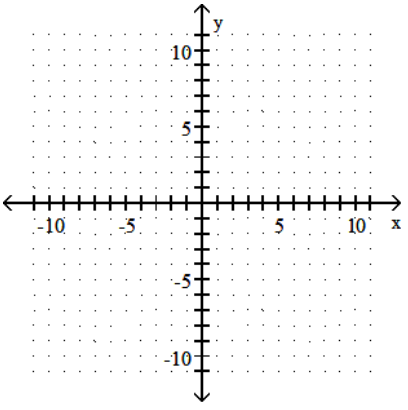


B) $\left(0, -\frac{2}{3}\right), (-2, 0)$

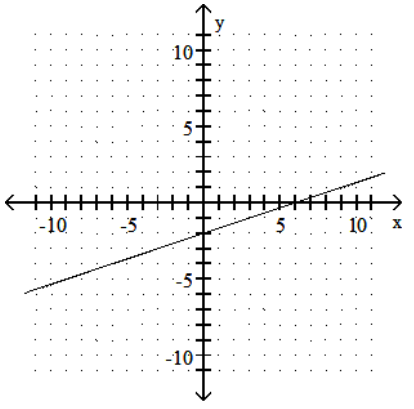


Answer: A

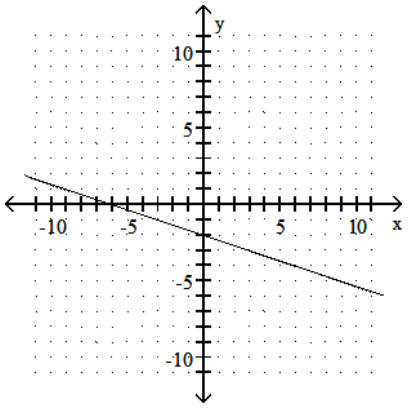
98) $-2x - 6y = 12$



A) (0, -2), (6, 0)

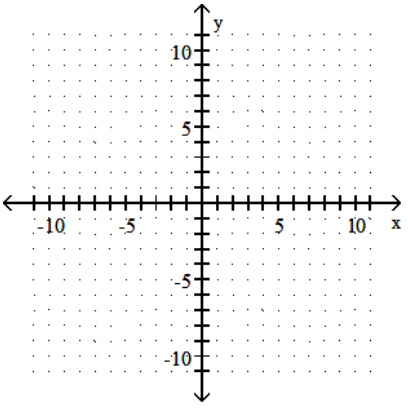


B) (0, -2), (-6, 0)

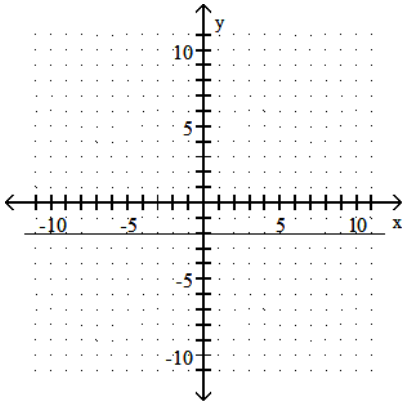


Answer: B

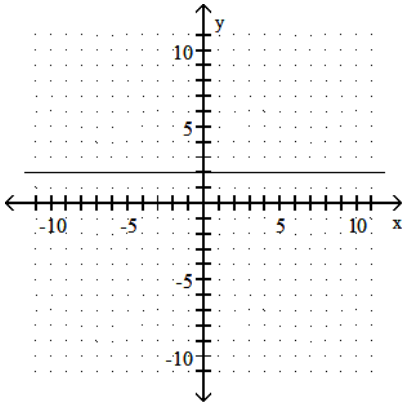
99) y = -2



A) (0, -2), (none)

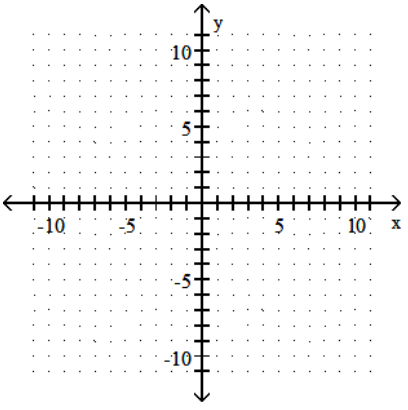


B) (none), (-2, 0)

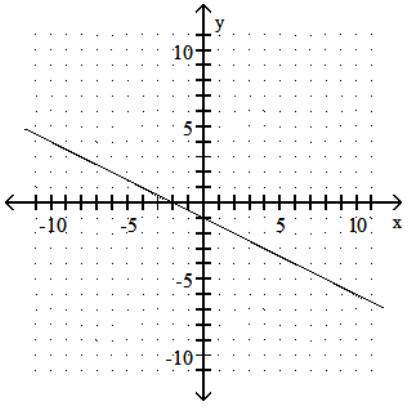


Answer: A

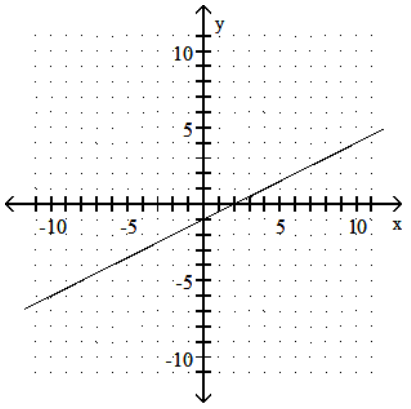
100) 5x - 10y = 10



A) (0, -1), (-2, 0)

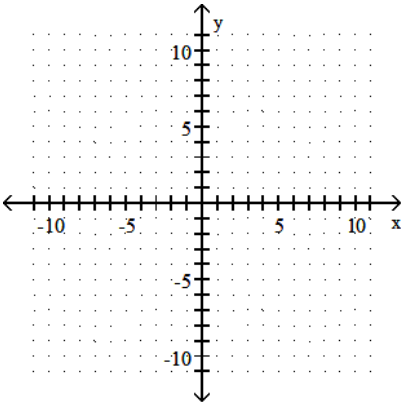


B) (0, -1), (2, 0)

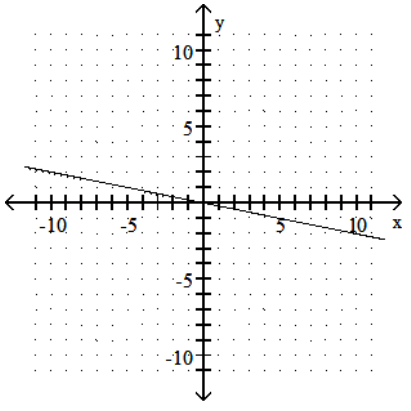


Answer: B

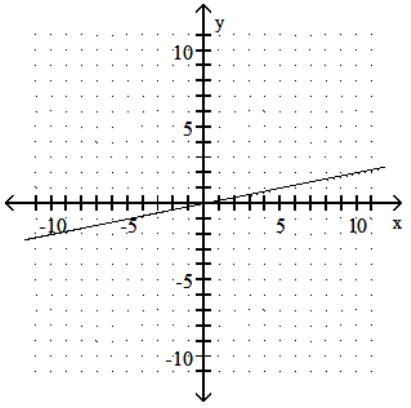
101) 4x - 20y = 0



A) (0, 0), (0, 0)



B) (0, 0), (0, 0)



Answer: B

Decide whether the pair of lines is parallel, perpendicular, or neither.

102) 3x - 6y = -10
18x + 9y = -10
A) Neither
B) Perpendicular
C) Parallel

Answer: B

103) 3x - 4y = 17
8x + 6y = 18
A) Parallel
B) Neither
C) Perpendicular

Answer: C

104) 12x + 4y = 16
18x + 6y = 26
A) Neither
B) Parallel
C) Perpendicular

Answer: B

105) The line through (3, -5) and (-1, 7) and the line through (6, -13) and (-2, 11)
A) Neither
B) Perpendicular
C) Parallel

Answer: C

106) The line through (-20, 5) and (-4, 7) and the line through (-5, 5) and (7, 4)
A) Parallel
B) Perpendicular
C) Neither

Answer: C

Find an equation of the line with slope m that passes through the given point. Put the answer in slope-intercept form.

107) $(3, 5)$, $m = -\frac{7}{8}$

A) $y = \frac{7}{8}x - \frac{61}{8}$

B) $y = -\frac{7}{8}x - \frac{61}{8}$

C) $y = -\frac{7}{8}x + \frac{61}{8}$

D) $y = \frac{7}{8}x + \frac{61}{8}$

Answer: C

108) $(5, 2)$, $m = -\frac{8}{9}$

A) $y = -\frac{8}{9}x - \frac{58}{9}$

B) $y = \frac{8}{9}x - \frac{58}{9}$

C) $y = \frac{8}{9}x + \frac{58}{9}$

D) $y = -\frac{8}{9}x + \frac{58}{9}$

Answer: D

109) $(0, 2)$, $m = \frac{7}{6}$

A) $y = \frac{7}{6}x - 2$

B) $y = \frac{7}{6}x + 2$

C) $y = -\frac{7}{6}x + 2$

D) $y = -\frac{7}{6}x - 2$

Answer: B

110) (0, 3), m = $-\frac{3}{8}$

A) $y = \frac{3}{8}x - 3$

B) $y = -\frac{3}{8}x - 3$

C) $y = -\frac{3}{8}x + 3$

D) $y = \frac{3}{8}x + 3$

Answer: C

111) (-6, 6), m = 0

A) x = -6

B) y = x - 1

C) y = 6

D) y = x + 1

Answer: C

112) (10, 6), undefined slope

A) y = 6

B) x = 10

C) $y = x + \frac{5}{3}$

D) $y = x - \frac{5}{3}$

Answer: B

Write an equation in standard form for a line passing through the pair of points.

113) (-3, 6) and (0, -8)

A) -14x - 3y = 24

B) 9x - 8y = -64

C) 14x - 3y = 24

D) -9x + 8y = -64

Answer: A

114) (-2, 0) and (1, -7)

A) 2x - 8y = -54

B) -2x + 8y = -54

C) -7x - 3y = 14

D) 7x - 3y = 14

Answer: C

115) (1, -2) and (3, 7)

A) 3x - 4y = -37

B) -3x + 4y = -37

C) 9x - 2y = 13

D) -9x - 2y = 13

Answer: C

116) (7, 5) and (4, -3)
A) 8x + 3y = -41
B) -8x + 3y = -41
C) -2x - 7y = -29
D) 2x + 7y = -29

Answer: B

117) (10, 4) and (10, -9)
A) 4x - 9y = 0
B) -9x + 4y = 0
C) y = 4
D) x = 10

Answer: D

118) (6, -8) and (10, -8)
A) 10x + 6y = 0
B) y = -8
C) x = 6
D) 6x + 10y = 0

Answer: B

Find an equation of the the line satisfying the given conditions.

119) Through the origin with slope 5
A) x = 5
B) y = 5x
C) y = 5
D) y = -5x

Answer: B

120) Through (7, -2) and vertical
A) y = 7
B) y = -7
C) x = 2
D) x = 7

Answer: D

121) Through (2, 7); perpendicular to 2x + 7y = 53
A) 7x - 2y = 1
B) 2x - 7y = 0
C) 7x - 2y = 0
D) 7x + 2y = 0

Answer: C

122) Through (-4, -2); parallel to 4x - 5y = -46
A) 4x + 5y = -6
B) 4x - 5y = -6
C) -5x + 4y = -2
D) -4x - 5y = -46

Answer: B

123) Through (-6, -5); parallel to -0.7x - 5.8y = 21.6
A) -6x - 5.8y = 21.6
B) -5.8x - 0.7y = -5
C) -0.7x + 5.8y = 33.2
D) -0.7x - 5.8y = 33.2

Answer: D

124) Through (-8, 5); perpendicular to -4x - 9y = 77
A) -8x + 9y = 77
B) 9x - 4y = -92
C) 9x - 4y = 82
D) -4x - 9y = -92

Answer: B

125) Through (-4, 2); perpendicular to -3x - 9y = -15
A) -9x - 3y = 42
B) -3x + 9y = 42
C) -9x - 3y = -15
D) -9x + 3y = 42

Answer: D

Solve the problem.

126) Let C = 100 + 30x be the cost to manufacture x items. Find the average cost per item to produce 90 items.
A) $390
B) $43
C) $31
D) $570

Answer: C

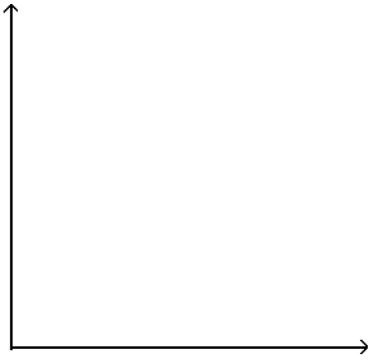
127) The rate of return of certain investments increases as the risk factor of the investment increases. An investment with a risk factor of 2 has a rate of return of 5.0%. An investment with a risk factor of 24 has a rate of return of 13.0%. What is the average rate of return per unit of risk?
A) 2.75% per unit risk
B) 0.58% per unit risk
C) 1.73% per unit risk
D) 0.36% per unit risk

Answer: D

128) The cost of manufacturing a molded part is related to the quantity of part produced during a production run. When 100 parts are produced, the cost is $300. When 500 parts are produced, the cost is $3,500.
A) $0.13 per part
B) $8.00 per part
C) $9.00 per part
D) $6.40 per part

Answer: B

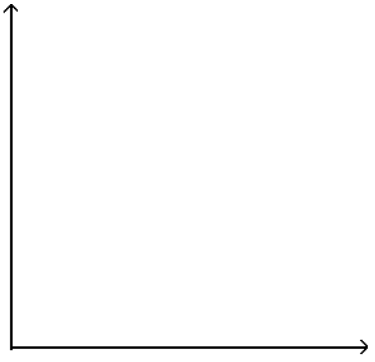
129) The cost, c, in dollars of car rental is $9 + \frac{1}{4}m$, where m is the number of miles driven. Graph the equation and use the graph to estimate the cost of car rental if the number of miles driven is 38.



A) About 24 dollars
B) About 15 dollars
C) About 40.25 dollars
D) About 19 dollars

Answer: D

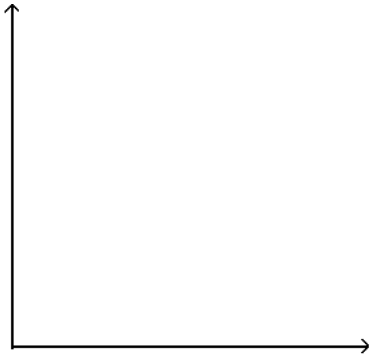
130) The population p, in thousands, of one town can be approximated by $p = 4 + \frac{3}{2}d$ where d is the number of years since 1985. Graph the equation and use the graph to estimate the population of the town in the year 1993.



A) About 20,000
B) About 24,000
C) About 16
D) About 16,000

Answer: D

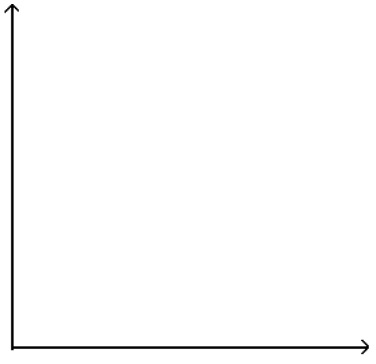
131) The value, v, in hundreds of dollars, of Juan's computer is approximated by $v = -\frac{1}{2}t + 9$, where t is the number of years since he first bought the computer. Graph the equation and use the graph to estimate the value of the computer 4 years after it was purchased.



A) $500
B) $820
C) $700
D) $1,100

Answer: C

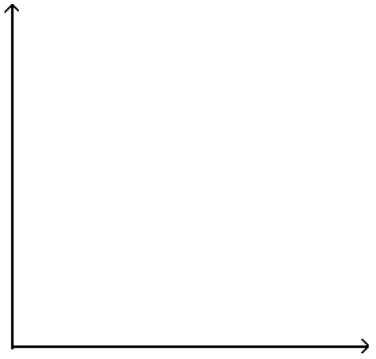
132) During the month of January, the depth, d, of snow in inches at the base of one ski resort could be approximated by $d = -2t + 69$, where t is the number of days since December 31st. Graph the equation and use the graph to estimate the depth of snow on January 24th.



A) 29 inches
B) 45 inches
C) 21 inches
D) 26 inches

Answer: C

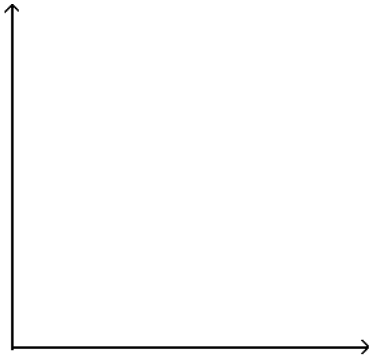
133) The cost, T, in hundreds of dollars, of tuition at one community college is given by $T = 3 + \frac{5}{4}c$, where c is the number of credits for which a student registers. Graph the equation and use the graph to estimate the cost of tuition if a student registers for 9 credits.



A) About $1,100
B) About $2,300
C) About $1,900
D) About $1,400

Answer: D

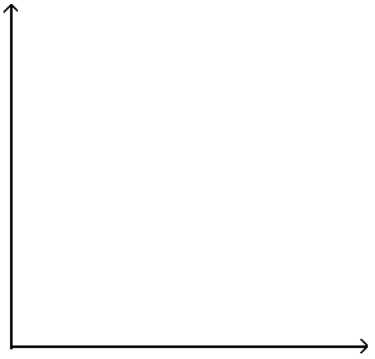
134) Alison sets aside $45 each month to spend on books and CDs. If she spends c dollars on CDs in a given month she may spend b dollars on books where c + b = 45. Graph the equation and use the graph to estimate the amount Alison may spend on books in March if she spends $22 on CDs.



A) $30
B) $67
C) $34
D) $23

Answer: D

135) In one U.S. town the annual consumption, b, of beef (in kg per person) can be estimated by $b = -\frac{1}{3}t + 20$, where t is the number of years since 1975. Graph the equation and use the graph to estimate the beef consumption in the year 1989.



A) About 12 kg per person
B) About 25 kg per person
C) About 9 kg per person
D) About 15 kg per person

Answer: D

Use the given data points to construct a linear model, then use the model to find the appropriate Celsius or Fahrenheit temperature.

136)

Degrees Fahrenheit	32	140	212
Degrees Celsius	0	60	100

Choose any two data points and use them to construct a linear equation that models the data, with x being Fahrenheit and y Celsius. Then use the equation to find the Celsius temperature corresponding to 176° Fahrenheit.

A) $y = \frac{9}{5}(x - 32)$; 259° Celsius

B) $y = \frac{9}{5}(x + 32)$; 374° Celsius

C) $y = \frac{5}{9}(x + 32)$; 116° Celsius

D) $y = \frac{5}{9}(x - 32)$; 80° Celsius

Answer: D

137)

Degrees Fahrenheit	32	149	257
Degrees Celsius	0	65	125

Choose any two data points and use them to construct a linear equation that models the data, with x being Celsius and y Fahrenheit. Then use the equation to find the Fahrenheit temperature corresponding to 130° Celsius.

A) $y = \frac{9}{5}x + 32$; 266° Fahrenheit

B) $y = \frac{9}{5}x + 32$; 176° Fahrenheit

C) $y = \frac{5}{9}x + 32$; 54° Fahrenheit

D) $y = \frac{5}{9}x + 32$; 90° Fahrenheit

Answer: A

Convert the temperature.

138) 52°F = __ °C

A) 3.1°C
B) 61.6°C
C) 11.1°C
D) 125.6°C

Answer: C

139) 42°C = __ °F

A) 133.2°F
B) 107.6°F
C) 12.5°F
D) 55.3°F

Answer: B

140) 2°F = __ °C

A) 35.6°C
B) 28.4°C
C) 30.9°C
D) -16.7°C

Answer: D

141) 91°C = __ °F

A) 73.8°F
B) 195.8°F
C) 221.4°F
D) 82.6°F

Answer: B

Solve the problem.

142) The bank's temperature display shows that it is 39° Celsius. What is the temperature in Fahrenheit?
A) 127.8°
B) 39.4°
C) 3.9°
D) 102.2°

Answer: D

143) On a summer day, the surface water of a lake is at a temperature of 23° Celsius. What is this temperature in Fahrenheit?
A) 23°
B) 55°
C) 41.4°
D) 73.4°

Answer: D

144) On a summer day, the bottom water of a lake is at a temperature of 7° Celsius. What is this temperature in Fahrenheit?
A) 7°
B) 12.6°
C) 39°
D) 44.6°

Answer: D

145) The outdoor temperature rises by 8° Fahrenheit. What is this temperature in Celsius?
A) 8°
B) -13.3°
C) 4.4°
D) -24°

Answer: B

146) A meteorologist in the Upper Peninsula of Michigan predicts an overnight low of -17° Fahrenheit. What would a Canadian meteorologist predict for the same location in Celsius?
A) -17°
B) -27.2°
C) -9.4°
D) -49°

Answer: B

147) Find the temperature at which the Celsius and Fahrenheit scales coincide.
A) -22°
B) 42°
C) -40°
D) 0°

Answer: C

148) Suppose the sales of a particular brand of appliance satisfy the relationship S = 90x + 3,300, where S represents the number of sales in year x, with x = 0 corresponding to 1982. Find the number of sales in 1995.

A) 4,470
B) 8,940
C) 8,850
D) 4,380

Answer: A

149) Assume that the sales of a certain appliance dealer are approximated by a linear function. Suppose that sales were $8,000 in 1982 and $71,000 in 1987. Let x = 0 represent 1982. Find the equation giving yearly sales S.

A) S = 63,000x + 8,000
B) S = 63,000x + 71,000
C) S = 12,600x + 8,000
D) S = 12,600x + 71,000

Answer: C

150) In a lab experiment 3 grams of acid were produced in 15 minutes and 11 grams in 45 minutes. Let y be the grams produced in x minutes. Write an equation for grams produced.

A) 15y = 4x + 15
B) y = x + 12
C) 15y = 4x + 12
D) 15y = 4x - 15

Answer: D

151) A biologist recorded 6 snakes on 35 acres in one area and 13 snakes on 38 acres in another area. Let y be the number of snakes in x acres. Write an equation for the number of snakes.

A) 3y = 7x + 227
B) 3y = 7x + 29
C) y = x + 29
D) 3y = 7x - 227

Answer: D

Use technology to compute r, the correlation coefficient.

152) Consider the data points with the following coordinates:

x	30.1	12.2	10.6	13.5	49.1
y	5	5	9	10	9

A) .336
B) 0
C) -.377
D) .377

Answer: D

153) The test scores of 6 randomly picked students and the number of hours they prepared are as follows:

Hours	5	10	4	6	10	9
Score	64	86	69	86	59	87

A) -.2242
B) .6781
C) .2242
D) -.6781

Answer: C

154) The test scores of 6 randomly picked students and the number of hours they prepared are as follows:

Hours	4	10	5	5	3	3
Score	54	99	56	99	70	72

A) -.6781
B) .2015
C) -.2241
D) .6039

Answer: D

155) Consider the data points with the following coordinates:

x	57	53	59	61	53	56	60
y	156	164	163	177	159	175	151

A) .2145
B) .1085
C) -.0783
D) -.0537

Answer: B

156) Consider the data points with the following coordinates:

x	62	53	64	52	52	54	58
y	158	176	151	164	164	174	162

A) -.7749
B) 0
C) -.0810
D) .7537

Answer: A

157) Consider the data points with the following coordinates:

x	121	101	128	160	154	126	134
y	171	152	168	157	164	169	160

A) .5370
B) .0537
C) .2245
D) -.0781

Answer: B

158) The following are costs of advertising (in thousands of dollars) and the number of products sold (in thousands):

Cost	9	2	3	4	2	5	9	10
Number	85	52	55	68	67	86	83	73

A) .2456
B) .7077
C) .2353
D) -.0707

Answer: B

159) The following are costs of advertising (in thousands of dollars) and the number of products sold (in thousands):

Cost	6	3	7	6	10	4	7	7
Number	54	75	91	57	96	52	92	100

A) .2635
B) .6756
C) .6112
D) -.3707

Answer: C

160) The following are the temperatures on randomly chosen days and the amount a certain kind of plant grew (in millimeters):

Temp	62	76	50	51	71	46	51	44	79
Growth	36	39	50	13	33	33	17	6	16

A) .1955
B) -.2105
C) .2563
D) 0

Answer: A

161) The following are the temperatures on randomly chosen days and the amount a certain kind of plant grew (in millimeters):

Temp	77	88	85	61	64	72	73	63	74
Growth	39	17	12	22	15	29	14	25	43

A) -.0953
B) 0
C) .0396
D) -.3105

Answer: A

Solve the problem using your calculator.

162) Ten students in a graduate program were randomly selected. Their grade point averages (GPAs) when they entered the program were between 3.5 and 4.0. The following data were obtained regarding their GPAs on entering the program versus their current GPAs. Use linear regression to find a linear function that predicts a student's current GPA as a function of his or her entering GPA.

Entering GPA	Current GPA
3.5	3.6
3.8	3.7
3.6	3.9
3.6	3.6
3.5	3.9
3.9	3.8
4.0	3.7
3.9	3.9
3.5	3.8
3.7	4.0

A) y = 4.91 + 0.0212x
B) y = 5.81 + 0.497x
C) y = 3.67 + 0.0313x
D) y = 2.51 + 0.329x

Answer: C

163) The paired data below consist of the test scores of 6 randomly selected students and the number of hours they studied for the test. Use linear regression to find a linear function that predicts a student's score as a function of the number of hours he or she studied.

Hours	5	10	4	6	10	9
Score	64	86	69	86	59	87

A) y = -67.3 + 1.07x
B) y = 33.7 - 2.14x
C) y = 33.7 + 2.14x
D) y = 67.3 + 1.07x

Answer: D

164) The paired data below consist of the costs of advertising (in thousands of dollars) and the number of products sold (in thousands). Use linear regression to find a linear function that predicts the number of products sold as a function of the cost of advertising.

Cost	9	2	3	4	2	5	9	10
Number	85	52	55	68	67	86	83	73

A) y = 55.8 + 2.79x
B) y = 55.8 - 2.79x
C) y = -26.4 - 1.42x
D) y = 26.4 + 1.42x

Answer: A

165) The paired data below consist of the temperatures on randomly chosen days and the amount a certain kind of plant grew (in millimeters). Use linear regression to find a linear function that predicts a plant's growth as a function of temperature.

Temp	62	76	50	51	71	46	51	44	79
Growth	36	39	50	13	33	33	17	6	16

A) y = 7.30 - 0.112x
B) y = -14.6 - 0.211x
C) y = 7.30 + 0.122x
D) y = 14.6 + 0.211x

Answer: D

166) A study was conducted to compare the average time spent in the lab each week versus course grade for computer students. The results are recorded in the table below. Use linear regression to find a linear function that predicts a student's course grade as a function of the number of hours spent in lab.

Number of hours spent in lab	Grade (percent)
10	96
11	51
16	62
9	58
7	89
15	81
16	46
10	51

A) y = 88.6 - 1.86x
B) y = 0.930 + 44.3x
C) y = 1.86 + 88.6x
D) y = 44.3 + 0.930x

Answer: A

167) Two separate tests are designed to measure a student's ability to solve problems. Several students are randomly selected to take both tests and the results are shown below. Use linear regression to find a linear function that predicts a student's score on Test B as a function of his or her score on Test A.

Test A	48	52	58	44	43	43	40	51	59
Test B	73	67	73	59	58	56	58	64	74

A) y = 0.930 - 19.4x
B) y = -19.4 - 0.930x
C) y = 19.4 + 0.930x
D) y = -0.930 + 19.4x

Answer: C

Solve the problem.

168) Ten students in a graduate program were randomly selected. Their grade point averages (GPAs) when they entered the program were between 3.5 and 4.0. The following data were obtained regarding their GPAs on entering the program versus their current GPAs. By using linear regression, the following equation is obtained: y = 3.67 + 0.0313x where x is entering GPA and y is current GPA. Use this equation to predict current GPA of a student whose entering GPA is 3.1.

Entering GPA	Current GPA
3.5	3.6
3.8	3.7
3.6	3.9
3.6	3.6
3.5	3.9
3.9	3.8
4.0	3.7
3.9	3.9
3.5	3.8
3.7	4.0

A) 3.57
B) 3.28
C) 3.39
D) 3.77

Answer: D

169) The paired data below consist of the test scores of 6 randomly selected students and the number of hours they studied for the test. By using linear regression, the following equation is obtained: y = 67.3 + 1.07x where x is number of hours studied and y is score on the test. Use this equation to predict the score on the test of a student who studies 13 hours.

Hours	5	10	4	6	10	9
Score	64	86	69	86	59	87

A) 76.2
B) 86.8
C) 86.2
D) 81.2

Answer: D

170) The paired data below consist of the costs of advertising (in thousands of dollars) and the number of products sold (in thousands). By using linear regression, the following equation is obtained: y = 55.8 + 2.79x where x is the cost of advertising (in thousands of dollars) and y is number of products sold (in thousands). Use this equation to predict the number of products sold if the cost of advertising is $9,000.

Cost	9	2	3	4	2	5	9	10
Number	85	52	55	68	67	86	83	73

A) 77.91
B) 25,165.8
C) 80.91
D) 87.61

Answer: C

171) The paired data below consist of the temperatures on randomly chosen days and the amount a certain kind of plant grew (in millimeters). By using linear regression, the following equation is obtained: y = 14.6 + 0.211x where x is temperature and y is growth in millimeters. Use this equation to predict the growth of a plant if the temperature is 75.

Temp	62	76	50	51	71	46	51	44	79
Growth	36	39	50	13	33	33	17	6	16

A) 28.85
B) 30.43
C) 31.03
D) 31.63

Answer: B

172) A study was conducted to compare the average time spent in the lab each week versus course grade for computer students. The results are recorded in the table below. By using linear regression, the following equation is obtained: y = 88.6 - 1.86x where x is the number of hours spent in the lab and y is grade on the test. Use this equation to predict the grade of a student who spends 19 hours in the lab.

Number of hours spent in lab	Grade (percent)
10	96
11	51
16	62
9	58
7	89
15	81
16	46
10	51

A) 69.6
B) 57.1
C) 53.3
D) 49.3

Answer: C

173) The information in the chart gives the salary of a person for the stated years. Model the data with a linear equation using the points (1, 24,600) and (3, 26,800).

Year, x	Salary, y
1990, 0	$23,500
1991, 1	$24,600
1992, 2	$25,200
1993, 3	$26,800
1994, 4	$27,200

A) y = 1,100x
B) y = 29x + 23,500
C) y = 1,100x + 23,500
D) y = -1,346x + 23,500

Answer: C

174) The information in the chart below gives the salary of a person for the stated years. Model the data with a linear equation using the points (1, 24,400) and (3, 26,600). Then use this equation to predict the salary for the year 2002.

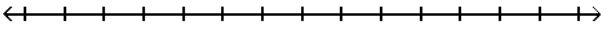
Year, x	Salary, y
1990, 0	$23,500
1991, 1	$24,400
1992, 2	$25,200
1993, 3	$26,600
1994, 4	$27,200

A) $36,700
B) $36,680
C) $36,740
D) $36,720

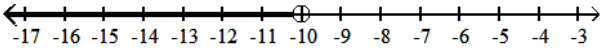
Answer: A

Solve and graph the inequality and graph the solution.

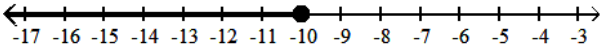
175) $a + 11 < 1$



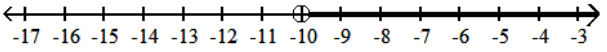
A) $(-\infty, -10)$



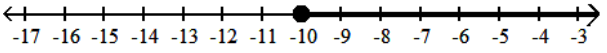
B) $(-\infty, -10]$



C) $(-10, \infty)$

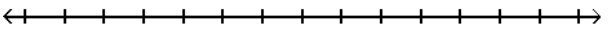


D) $[-10, \infty)$

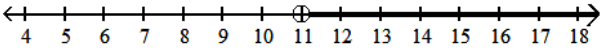


Answer: A

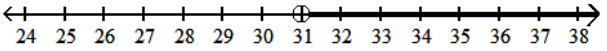
176) -2a + 10 > -3a + 21



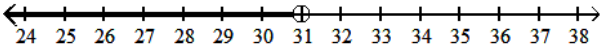
A) (11, ∞)



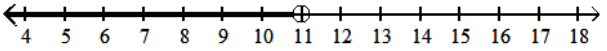
B) (31, ∞)



C) (-∞, 31)

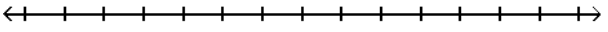


D) (-∞, 11)

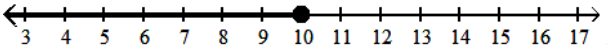


Answer: A

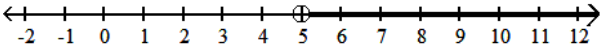
177) 5x + 1 ≤ 4x + 11



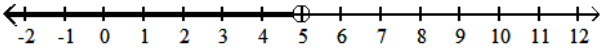
A) (-∞, 10]



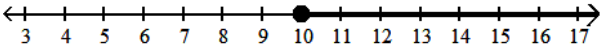
B) (5, ∞)



C) (-∞, 5)

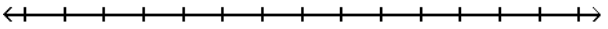


D) [10, ∞)

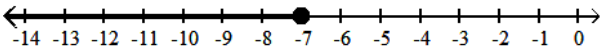


Answer: A

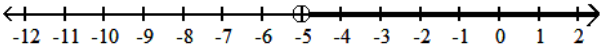
178) $-5a - 6 \geq -6a - 13$



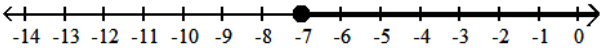
A) $(-\infty, -7]$



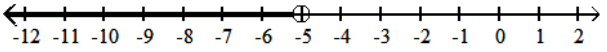
B) $(-5, \infty)$



C) $[-7, \infty)$

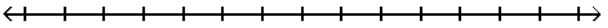


D) $(-\infty, -5)$

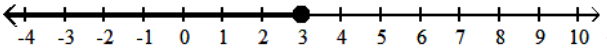


Answer: C

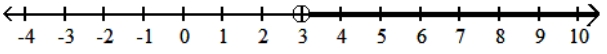
179) $3z - 7 \geq 4z - 3$



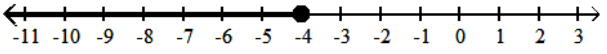
A) $(-\infty, 3]$



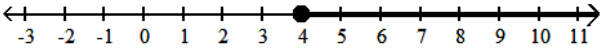
B) $(3, \infty)$



C) $(-\infty, -4]$

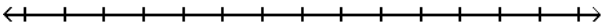


D) $[4, \infty)$

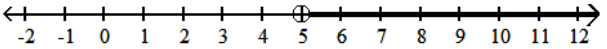


Answer: C

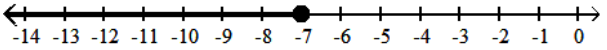
180) $4 + 5y - 12 \geq 4y - 15$



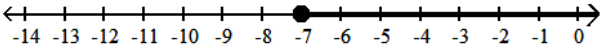
A) $(5, \infty)$



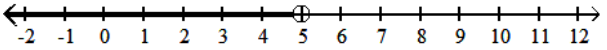
B) $(-\infty, -7]$



C) $[-7, \infty)$

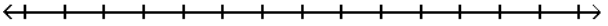


D) $(-\infty, 5)$

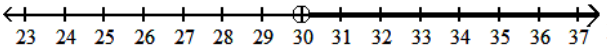


Answer: C

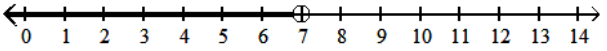
181) $30a + 30 > 6(4a + 12)$



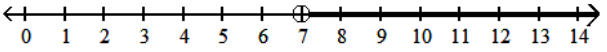
A) $(30, \infty)$



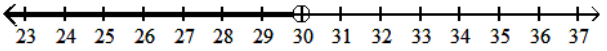
B) $(-\infty, 7)$



C) $(7, \infty)$

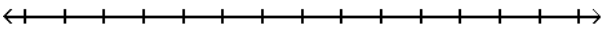


D) $(-\infty, 30)$

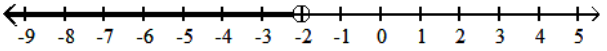


Answer: C

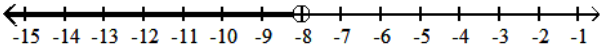
182) $-2(3x - 6) < -8x + 8$



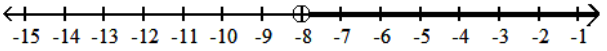
A) $(-\infty, -2)$



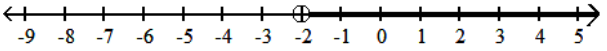
B) $(-\infty, -8)$



C) $(-8, \infty)$

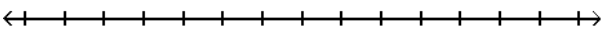


D) $(-2, \infty)$

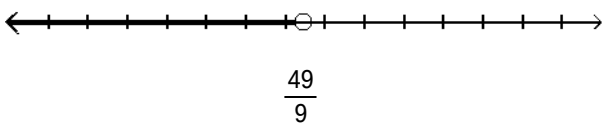


Answer: A

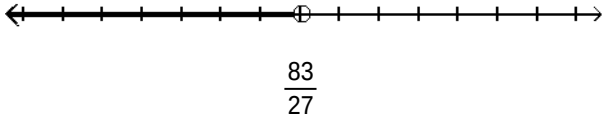
183) $\frac{9x + 5}{6} < \frac{49}{9}$



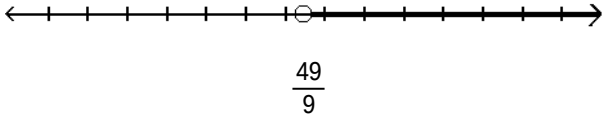
A) $\left(-\infty, \frac{49}{9}\right)$



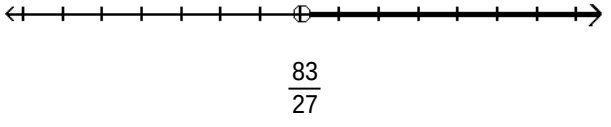
B) $\left(-\infty, \frac{83}{27}\right)$



C) $\left(\frac{49}{9}, \infty\right)$

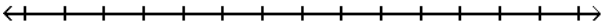


D) $\left(\frac{83}{27}, \infty\right)$

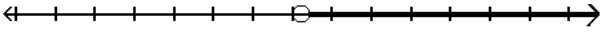


Answer: B

184) $\frac{9x - 8}{-8} < -\frac{64}{9}$

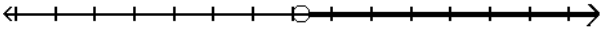


A) $\left(\frac{584}{81}, \infty\right)$



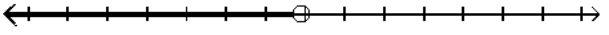
$\frac{584}{81}$

B) $\left(-\frac{64}{81}, \infty\right)$



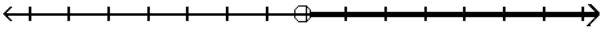
$-\frac{64}{81}$

C) $\left(-\infty, -\frac{64}{9}\right)$



$-\frac{64}{9}$

D) $\left(\frac{584}{9}, \infty\right)$



$\frac{584}{9}$

Answer: A

Solve the problem.

185) In order for a chemical reaction to take place, the Fahrenheit temperature of the reagents must be at least 105.93°F. Find the Celsius temperatures at which the reaction may occur. ($F = \frac{9}{5}C + 32$)

A) $C \leq 41.07°$
B) $C \geq 41.07°$
C) $C \geq 222.67°$
D) $C < 222.67°$

Answer: B

186) In order for a chemical reaction to remain stable, its Celsius temperature must be no more than 91.73°C. Find the Fahrenheit temperatures at which the reaction will remain stable. ($F = \frac{9}{5}C + 32$)

A) $F \geq 33.18°$
B) $F \leq 197.11°$
C) $F \geq 197.11°$
D) $F \leq 33.18°$

Answer: B

187) The equation $y = 0.001x + 0.10$ can be used to determine the approximate profit, y in dollars, of producing x items. How many items must be produced so the profit will be at least $1,668?

A) $0 < x \leq 1{,}667{,}899$
B) $x \geq 1{,}751{,}295.00$
C) $x \geq 1{,}668{,}100$
D) $x \geq 1{,}667{,}900$

Answer: D

188) The equation $y = 0.005x - 0.30$ can be used to determine the approximate cost, y in dollars, of producing x items. How many items must be produced so the cost will be no more than $202?

A) $0 < x \leq 40{,}461$
B) $0 < x \leq 42{,}483.00$
C) $0 < x \leq 40{,}340$
D) $0 < x \leq 40{,}460$

Answer: D

189) A rectangular enclosure must have an area of at least 3,600 yd^2. If 260 yd of fencing is to be used, and the width cannot exceed the length, within what limits must the width of the enclosure lie?

A) $40 \leq w \leq 90$
B) $40 \leq w \leq 65$
C) $0 \leq w \leq 40$
D) $65 \leq w \leq 90$

Answer: B

190) A retailer knows that n games can be sold in a month if the price is $30 - 0.2n$ dollars per game. If he buys each game for $16, and if he wishes to make a profit of at least $240 per month on sales of this game, how many games must he sell each month?

A) $30 \leq n \leq 70$
B) $20 \leq n \leq 35$
C) $20 \leq n \leq 30$
D) $30 \leq n \leq 40$

Answer: D

191) Paul has grades of 83 and 65 on his first two tests. What must he score on his third test in order to have an average of at least 80?

A) at least 74
B) at most 80
C) at most 76
D) at least 92

Answer: D

192) Sue drove her car 423 miles in January, 467 miles in February, and 266 miles in March. If her average mileage for the four months from January to April is to be at least 349 miles, how many miles must she drive in April?
A) at most 240 miles
B) at most 349 miles
C) at least 376 miles
D) at least 240 miles

Answer: D

193) During the first four months of the year, Jack earned $690, $1,140, $730 and $1,200. If Jack must have an average salary of at least $1,010 in order to earn retirement benefits, what must Jack earn in the fifth month in order to qualify for benefits?
A) at most $1,010
B) at least $954
C) at least $1,290
D) at most $940

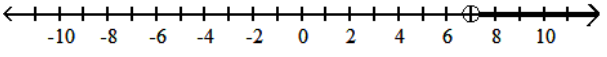
Answer: C

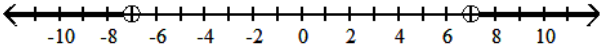
194) Jon has 1,117 points in his math class. He must have 83% of the 1,500 points possible by the end of the term to receive credit for the class. What is the minimum number of additional points he must earn by the end of the term to receive credit for the class?
A) 1,245 points
B) 383 points
C) 128 points
D) 927 points

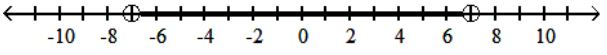
Answer: C

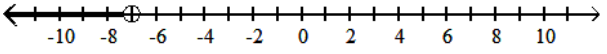
Solve the inequality and graph the solution.

195) $|x| > 7$

A) 

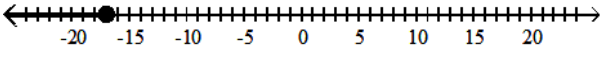
B) 

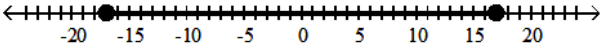
C) 

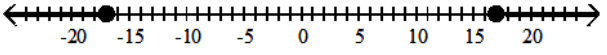
D) 

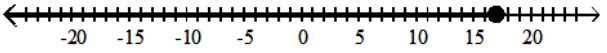
Answer: B

196) $|x| \leq 17$

A) 

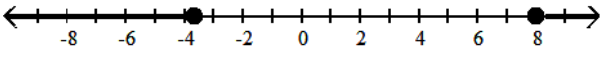
B) 

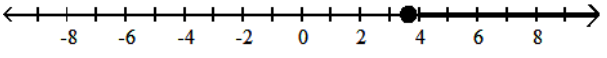
C) 

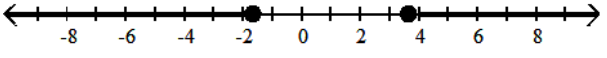
D) 

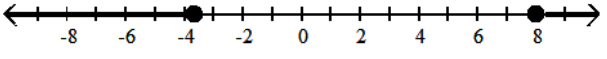
Answer: B

197) $|3x - 3| \geq 8$

A) 

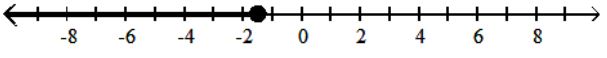
B) 

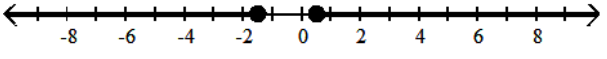
C) 

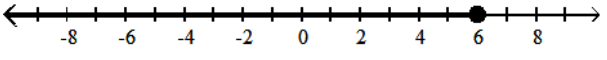
D) 

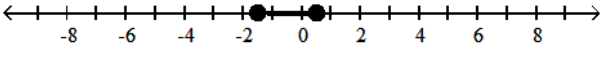
Answer: C

198) $|6x + 3| < 6$

A) 

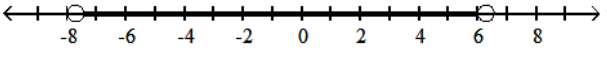
B) 

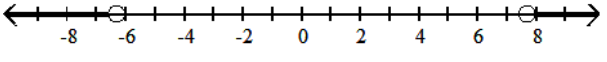
C) 

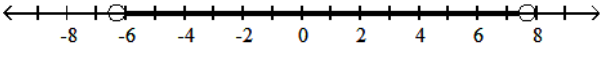
D) 

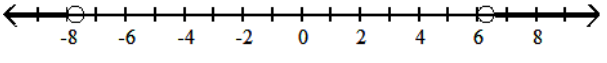
Answer: D

199) $|r - 0.7| < 7$

A) 

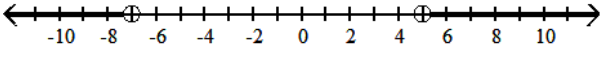
B) 

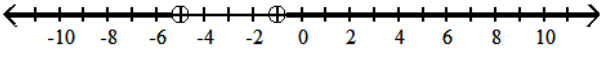
C) 

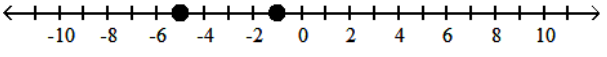
D) 

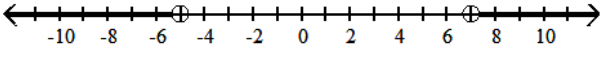
Answer: C

200) $|b + 3| + 4 > 6$

A) 

B) 

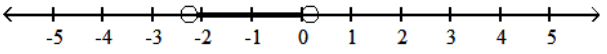
C) 

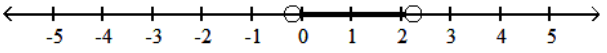
D) 

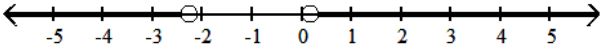
Answer: B

201) $|5s + 4| < |s - 5|$

A) ∅

B) 

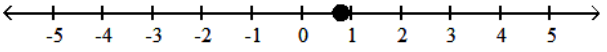
C) 

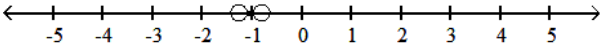
D) 

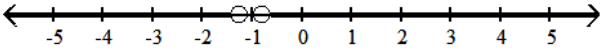
Answer: B

202) $|9s + 9| > |s - 1|$

A) ∅

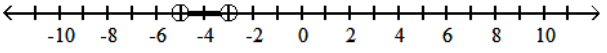
B) 

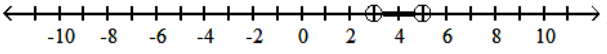
C) 

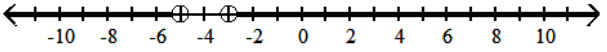
D) 

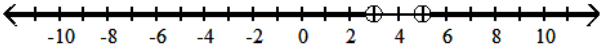
Answer: D

203) $6|x - 4| < 6$

A) 

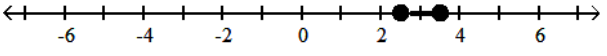
B) 

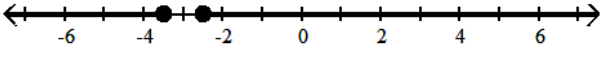
C) 

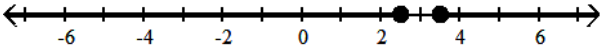
D) 

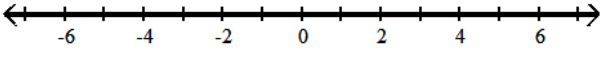
Answer: B

204) $6|x - 3| \geq 3$

A) 

B) 

C) 

D) 

Answer: C

Solve the inequality.

205) A salesperson has two job offers. Company A offers a weekly salary of $240 plus commission of 16% of sales. Company B offers a weekly salary of $480 plus commission of 8% of sales. What is the amount of sales above which Company A's offer is the better of the two?

A) $3,100
B) $6,000
C) $3,000
D) $1,500

Answer: C

206) Company A rents copiers for a monthly charge of $360 plus 12 cents per copy. Company B rents copiers for a monthly charge of $720 plus 6 cents per copy. What is the number of copies above which Company A's charges are the higher of the two?

A) 6,000 copies
B) 12,000 copies
C) 3,000 copies
D) 6,100 copies

Answer: A

207) A car rental company has two rental rates. Rate 1 is $54 per day plus $0.18 per mile. Rate 2 is $108 per day plus $0.09 per mile. If you plan to rent for one week, how many miles would you need to drive to pay less by taking Rate 2?

A) more than 4,300 miles
B) more than 8,400 miles
C) more than 14,700 miles
D) more than 4,200 miles

Answer: D

208) In order for a chemical reaction to take place, the Fahrenheit temperature of the reagents must be at least 192.03°F. Find the Celsius temperatures at which the reaction may occur. ($F = \frac{9}{5}C + 32$)

A) $C \geq 88.91°$
B) $C \leq 88.91°$
C) $C \geq 377.65°$
D) $C < 377.65°$

Answer: A

209) In order for a chemical reaction to remain stable, its Celsius temperature must be no more than 54.39°C. Find the Farenheit temperatures at which the reaction will remain stable. ($F = \frac{9}{5}C + 32$)

A) $F \geq 129.9°$
B) $F \geq 12.44°$
C) $F \leq 12.44°$
D) $F \leq 129.9°$

Answer: D

210) The equation y = 0.003x - 0.50 can be used to determine the approximate profit, y in dollars, of producing x items. How many items must be produced so the profit will be at least $4,317?
A) $x \geq 1{,}438{,}834$
B) $0 < x \leq 1{,}439{,}166$
C) $x < 1{,}439{,}167$
D) $x \geq 1{,}439{,}167$

Answer: D

211) Correct Computers, Inc., finds that the cost to make x laptop computers is C = 2,765x + 106,216, while the revenue produced from them is R = 3,928x (C and R are in dollars). What is the smallest whole number of computers, x, that must be sold for the company to show a profit?
A) 92
B) 710,903,688
C) 16
D) 123,529,208

Answer: A

212) Fantastic Flags, Inc., finds that the cost to make x flags is C = 22x + 18,763, while the revenue produced from them is R = 30x (C and R are in dollars). What is the smallest whole number of flags, x, that must be sold for the company to show a profit?
A) 150,104
B) 361
C) 2,346
D) 975,676

Answer: C

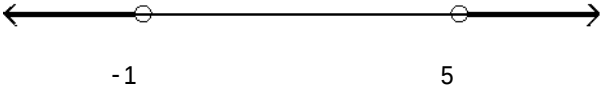
213) Behemoth Back Packs, Inc., finds that the cost to make x back packs is C = 31x + 3,363, while the revenue produced from them is R = 108x (C and R are in dollars). What is the smallest whole number of back packs, x, that must be sold for the company to show a profit?
A) 44
B) 258,951
C) 25
D) 467,457

Answer: A

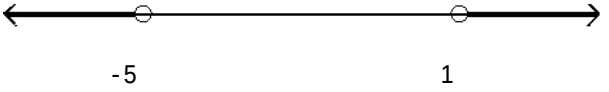
Solve the inequality and graph the solution.

214) $(x - 1)(x + 5) > 0$

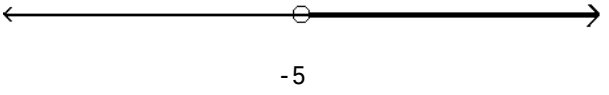
A) $(-\infty, -1)$ or $(5, \infty)$



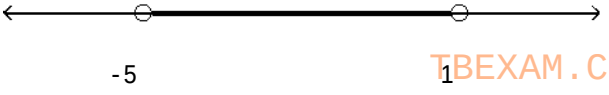
B) $(-\infty, -5)$ or $(1, \infty)$



C) $(-5, \infty)$

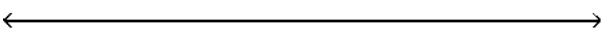


D) $(-5, 1)$

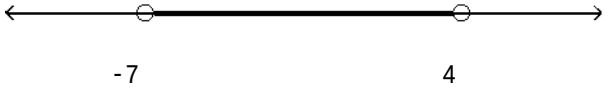


Answer: B

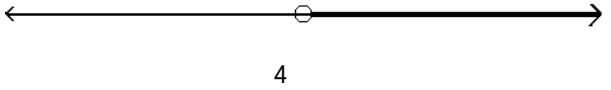
215) $p^2 + 3p - 28 > 0$



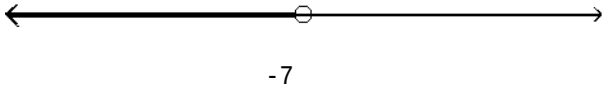
A) (-7, 4)



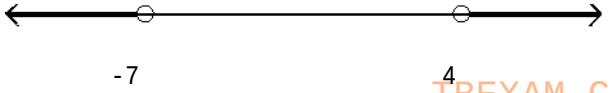
B) (4, ∞)



C) (-∞, -7)



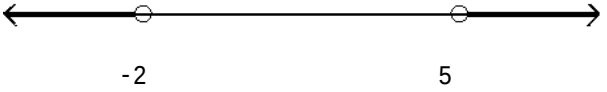
D) (-∞, -7) or (4, ∞)



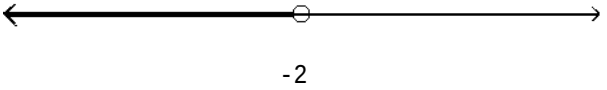
Answer: D

216) $s^2 - 3s - 10 < 0$

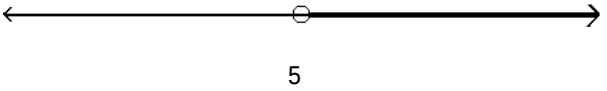
A) $(-\infty, -2)$ or $(5, \infty)$



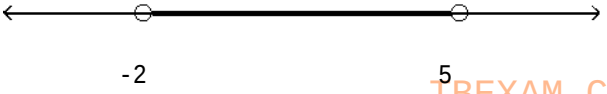
B) $(-\infty, -2)$



C) $(5, \infty)$

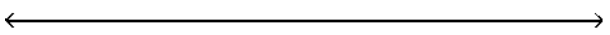


D) $(-2, 5)$

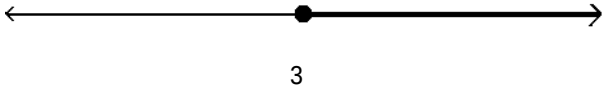


Answer: D

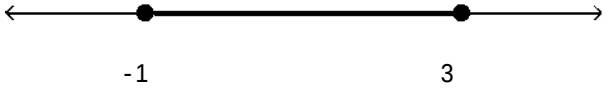
217) $t^2 - 2t - 3 \leq 0$



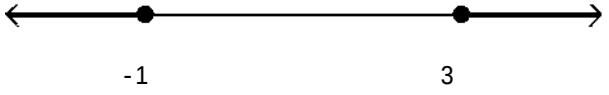
A) $[3, \infty)$



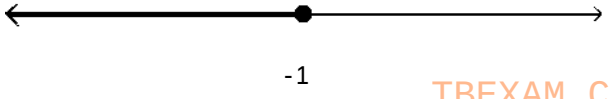
B) $[-1, 3]$



C) $(-\infty, -1]$ or $[3, \infty)$

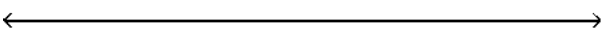


D) $(-\infty, -1]$

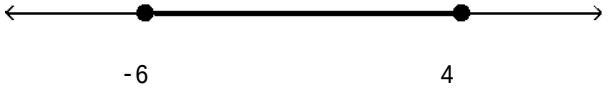


Answer: B

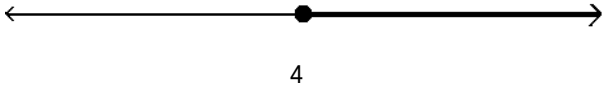
218) $v^2 + 2v - 24 \geq 0$



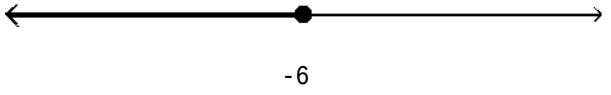
A) [-6, 4]



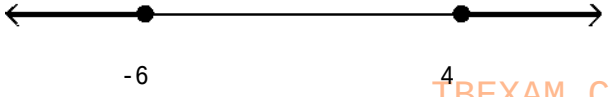
B) [4, ∞)



C) (-∞, -6]

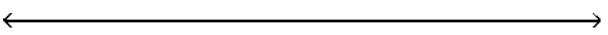


D) (-∞, -6] or [4, ∞)

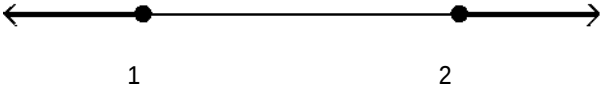


Answer: D

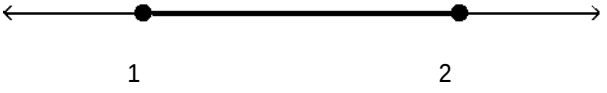
219) $x^2 + 3x \leq -2$



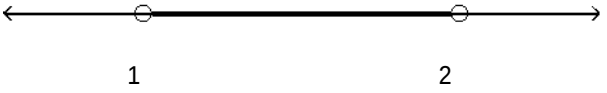
A) $(-\infty, 1]$ or $[2, \infty)$



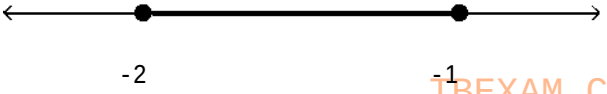
B) $[1, 2]$



C) $(1, 2)$

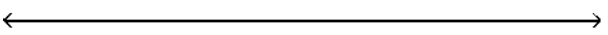


D) $[-2, -1]$

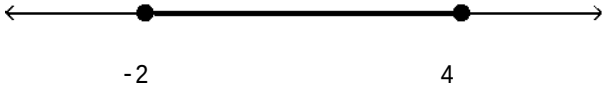


Answer: D

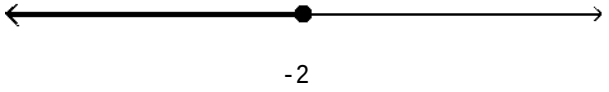
220) $x^2 - 2x \geq 8$



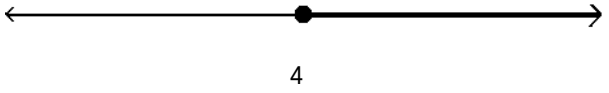
A) [-2, 4]



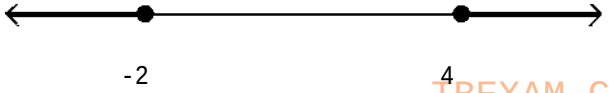
B) (-∞, -2]



C) [4, ∞)

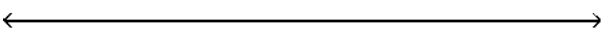


D) (-∞, -2] or [4, ∞)

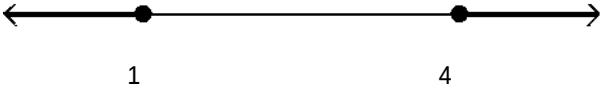


Answer: D

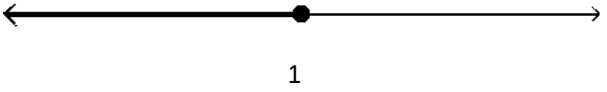
221) $v^2 - 5v + 4 \geq 0$



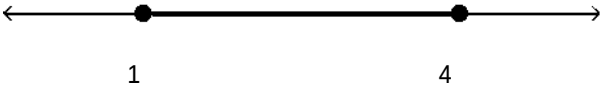
A) $(-\infty, 1]$ or $[4, \infty)$



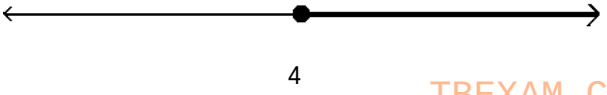
B) $(-\infty, 1]$



C) $[1, 4]$

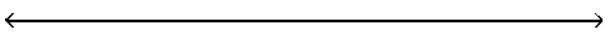


D) $[4, \infty)$

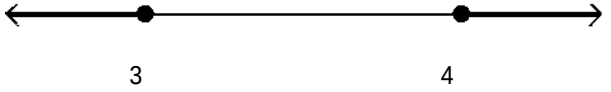


Answer: A

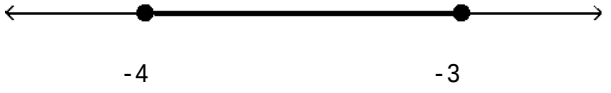
222) $x^2 + 7x \leq -12$



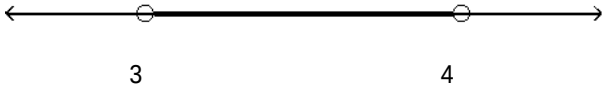
A) $(-\infty, 3]$ or $[4, \infty)$



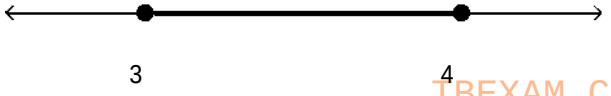
B) $[-4, -3]$



C) $(3, 4)$

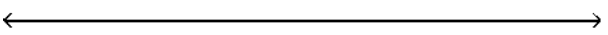


D) $[3, 4]$

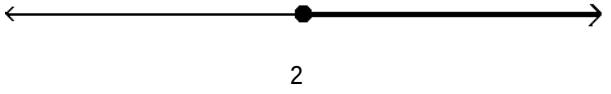


Answer: B

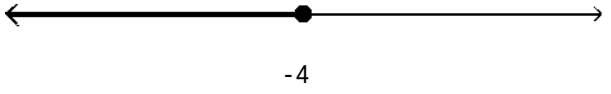
223) $x^2 + 2x \geq 8$



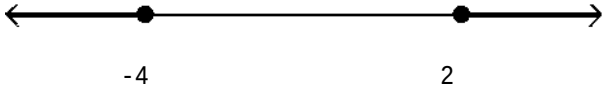
A) $[2, \infty)$



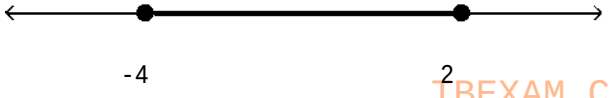
B) $(-\infty, -4]$



C) $(-\infty, -4]$ or $[2, \infty)$



D) $[-4, 2]$



Answer: C

Solve the inequality.

224) $(a + 6)(a + 2)(a + 1) > 0$

A) $(-1, \infty)$
B) $(-6, -2)$ or $(-1, \infty)$
C) $(-\infty, -6)$ or $(-2, -1)$
D) $(-\infty, -2)$

Answer: B

225) $(b + 5)(b + 3)(b - 6) < 0$

A) $(-\infty, -5)$ or $(-3, 6)$
B) $(-5, -3)$ or $(6, \infty)$
C) $(6, \infty)$
D) $(-\infty, -3)$

Answer: A

226) $(c + 4)(c - 1)(c - 4) > 0$

A) $(-4, 1)$ or $(4, \infty)$
B) $(-\infty, -4)$ or $(1, 4)$
C) $(-\infty, 1)$
D) $(4, \infty)$

Answer: A

227) $(a + 4)(a^2 - 3a - 4) > 0$

A) $(4, \infty)$

B) $(-4, -1)$ or $(4, \infty)$

C) $(-\infty, -4)$ or $(-1, 4)$

D) $(-\infty, -1)$

Answer: B

228) $m^3 - 4m \geq 0$

A) $(-2, 0)$ or $(2, \infty)$

B) $[-2, 0)$ or $(2, \infty)$

C) $(-2, 0]$ or $[2, \infty)$

D) $[-2, 0]$ or $[2, \infty)$

Answer: D

229) $p^3 - 9p \leq 0$

A) $(-\infty, -3)$ or $[0, 3]$

B) $(-\infty, -3)$ or $(0, 3)$

C) $(-\infty, -3]$ or $(0, 3)$

D) $(-\infty, -3]$ or $[0, 3]$

Answer: D

230) $10k^3 - 13k^2 \leq 3k$

A) $\left(-\infty, -\frac{1}{5}\right]$ or $\left[0, \frac{3}{2}\right]$

B) $\left(-\infty, -\frac{1}{5}\right)$ or $\left[0, \frac{3}{2}\right]$

C) $\left(-\infty, -\frac{1}{5}\right)$ or $\left(0, \frac{3}{2}\right)$

D) $\left(-\infty, -\frac{1}{5}\right]$ or $\left(0, \frac{3}{2}\right)$

Answer: A

231) $\frac{-5x + 6}{4} > 0$

A) $\left(-\frac{6}{5}, \infty\right)$

B) $\left(-\infty, -\frac{6}{5}\right)$

C) $(-\infty, 0)$

D) $\left(-\infty, \frac{6}{5}\right)$

Answer: D

232) $\frac{-6}{-6x - 7} > 0$

A) $(0, \infty)$
B) $\left(-\infty, -\frac{6}{7}\right)$
C) $\left(-\infty, \frac{7}{6}\right)$
D) $\left(-\frac{7}{6}, \infty\right)$

Answer: D

233) $\frac{-3x + 5}{3x^2 + 6} > 0$

A) $\left(-\infty, -\frac{3}{5}\right)$
B) $(-\infty, 0)$
C) $\left(-\infty, \frac{5}{3}\right)$
D) $\left(-\frac{5}{3}, \infty\right)$

Answer: C

234) $\frac{6x + 4}{6x^2 + 5} > 0$

A) $\left(-\frac{2}{3}, \infty\right)$
B) $\left(-\infty, -\frac{2}{3}\right)$
C) $\left(-\infty, -\frac{3}{2}\right)$
D) $(0, \infty)$

Answer: A

235) $\frac{3x}{7 - x} < x$

A) (0, 4) or (7, ∞)
B) (-∞, 4) or (7, ∞)
C) (4, 7)
D) (7, ∞)

Answer: A

236) $\frac{2x}{5 - x} > x$

A) (5, ∞)
B) (-∞, 3) or (5, ∞)
C) (-∞, 0) or (3, 5)
D) (0, 3) or (5, ∞)

Answer: C

237) $\frac{6x}{4 - x} \leq 6x$

A) $(-\infty, 3]$ or $[4, \infty)$
B) $[3, 4]$
C) $[0, 3]$ or $(4, \infty)$
D) $[4, \infty)$

Answer: C

238) $\frac{8x}{5 - x} \geq 4x$

A) $[5, \infty)$
B) $[0, 3]$ or $[5, \infty)$
C) $(-\infty, 3]$ or $[5, \infty)$
D) $(-\infty, 0]$ or $[3, 5)$

Answer: D

239) $\frac{x^2 - 13x + 36}{x - 7} > 0$

A) $(-\infty, 7)$ or $(-9, \infty)$
B) $(4, 7)$ or $(9, \infty)$
C) $(-9, 7)$
D) $(-\infty, -9)$ or $(-4, 7)$

Answer: B

240) $\frac{x^2 + 3x - 10}{x^2 - 2x - 48} < 0$

A) $(-6, -5)$ or $(2, \infty)$
B) $(-5, 2)$ or $(8, \infty)$
C) $(-6, -5)$ or $(2, 8)$
D) $(-\infty, -5)$ or $(-6, 8)$

Answer: C

241) $p^2 + 2p - 3 > 0$

A) $(1, \infty)$
B) $(-\infty, -3)$
C) $(-3, 1)$
D) $(-\infty, -3)$ or $(1, \infty)$

Answer: D

242) $s^2 - 4s - 12 < 0$

A) $(6, \infty)$
B) $(-\infty, -2)$
C) $(-2, 6)$
D) $(-\infty, -2)$ or $(6, \infty)$

Answer: C

243) $t^2 - 3t - 28 \leq 0$

A) $[-4, 7]$
B) $(-\infty, -4]$ or $[7, \infty)$
C) $(-\infty, -4]$
D) $[7, \infty)$

Answer: A

244) $v^2 + 4v + 3 \geq 0$

A) $[-3, -1]$
B) $(-\infty, -3]$
C) $(-\infty, -3]$ or $[-1, \infty)$
D) $[-1, \infty)$

Answer: C

245) $x^2 + 3x \leq 4$

A) $[-1, 4]$
B) $(-1, 4)$
C) $(-\infty, -1]$ or $[4, \infty)$
D) $[-4, 1]$

Answer: D

246) $x^2 + 4x \geq -3$

A) $(-\infty, -3]$ or $[-1, \infty)$
B) $(-\infty, -3]$
C) $[-3, -1]$
D) $[-1, \infty)$

Answer: A

247) $x^2 + 0.4x - 7.30 < 0$

(Give approximations rounded to the nearest hundredth.)

A) $(-\infty, -2.91) \cup (2.51, \infty)$
B) $(-\infty, -2.51) \cup (2.91, \infty)$
C) $(2.51, -2.91)$
D) $(-2.51, 2.91)$

Answer: C

248) $-4\pi x^2 - 85x + \sqrt{2} > 0$

(Give approximations rounded to the nearest hundredth.)

A) $(-\infty, 6.78) \cup (-0.02, \infty)$
B) $(6.78, -0.02)$
C) $(-6.78, 0.02)$
D) $(-\infty, -6.78) \cup (0.02, \infty)$

Answer: C

249) $\frac{x^2 + 4x - 5}{x^2 - 3x - 70} < 0$

A) (-5, 1) or (10, ∞)
B) (-7, -5) or (1, 10)
C) (-7, -5) or (1, ∞)
D) (-∞, -5) or (-7, 10)

Answer: C

Solve the problem.

250) The profit made when t units are sold, t > 0, is given by $P = t^2 - 26t + 160$. Determine the number of units to be sold in order for P = 0 (the break- even point).

A) t = 26
B) t = -16 or t = -10
C) t = 16 or t = 10
D) t > 16

Answer: C

251) The profit made when t units are sold, t > 0, is given by $P = t^2 - 31t + 240$. Determine the number of units to be sold in order for P > 0 (a profit is made).

A) 16 < t < 15
B) t = 31
C) t > 16 or t < 15
D) t = 16 or t = 15

Answer: C

252) The profit made when t units are sold, t > 0, is given by $P = t^2 - 29t + 204$. Determine the number of units to be sold in order for P < 0 (a loss is taken).

A) 12 < t < 17
B) t < 12 or t > 17
C) t > 0
D) t = 12 or t = 17

Answer: A

253) The cost of producing t units is $C = 4t^2 + 9t$, and the revenue generated from sales is $R = 5t^2 + t$. Determine the number of units to be sold in order to generate a profit.

A) t > 10
B) t > 0
C) t > 9
D) t > 8

Answer: D

254) A rectangular enclosure must have an area of at least 1,800 yd^2. If 180 yd of fencing is to be used, and the width cannot exceed the length, within what limits must the width of the enclosure lie?

A) 45 ≤ w ≤ 60
B) 0 ≤ w ≤ 30
C) 30 ≤ w ≤ 60
D) 30 ≤ w ≤ 45

Answer: D

255) A coin is tossed upward from a balcony 196 ft high with an initial velocity of 16 ft/sec. During what interval of time will the coin be at a height of at least 100 ft? ($h = -16t^2 + v_0t + h_0$.)

A) $0 \le t \le 3$
B) $3 \le t \le 6$
C) $2 \le t \le 3$
D) $0 \le t \le 1$

Answer: A

256) A retailer knows that n games can be sold in a month if the price is 30 - 0.3n dollars per game. If he buys each game for $9, and if he wishes to make a profit of at least $360 per month on sales of this game, how many games must he sell each month?

A) $20 \le n \le 30$
B) $20 \le n \le 35$
C) $30 \le n \le 40$
D) $30 \le n \le 70$

Answer: C

257) If a rocket is propelled upward from ground level, its height in meters after t seconds is given by $h = -9.8t^2 + 107.8t$. During what interval of time will the rocket be higher than 294 m?

A) $5 < t < 6$
B) $10 < t < 11$
C) $6 < t < 10$
D) $0 < t < 5$

Answer: A

258) A flare fired from the bottom of a gorge is visible only when the flare is above the rim. If it is fired with an initial velocity of 160 ft/sec, and the gorge is 336 ft deep, during what interval can the flare be seen? ($h = -16t^2 + v_0t + h_0$.)

A) $3 < t < 7$
B) $0 < t < 3$
C) $6 < t < 10$
D) $9 < t < 13$

Answer: A

Answer Key
Testname: UNTITLED18

1) A
ID: MWA13L 2.1.1-1
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

2) B
ID: MWA13L 2.1.1-2
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

3) B
ID: MWA13L 2.1.1-3
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

4) A
ID: MWA13L 2.1.1-4
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

5) B
ID: MWA13L 2.1.1-5
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

6) A
ID: MWA13L 2.1.1-6
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

7) B
ID: MWA13L 2.1.1-7
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

8) A
ID: MWA13L 2.1.1-8
Diff: 0
Objective: (2.1) Determine Whether Ordered Pair Is Soln of Given Eqn

9) A
ID: MWA13L 2.1.2-1
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

10) B
ID: MWA13L 2.1.2-2
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

11) D
ID: MWA13L 2.1.2-3
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

12) B
ID: MWA13L 2.1.2-4
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

13) D
ID: MWA13L 2.1.2-5
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

14) D
ID: MWA13L 2.1.2-6
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

15) B
ID: MWA13L 2.1.2-7
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

16) D
ID: MWA13L 2.1.2-8
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

17) C
ID: MWA13L 2.1.2-9
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

18) D
ID: MWA13L 2.1.2-10
Diff: 0
Objective: (2.1) Sketch Graph of Linear Equation

19) B
ID: MWA13L 2.1.3-1
Diff: 0
Objective: (2.1) List x- and y- Intercepts of Given Graph

20) A
ID: MWA13L 2.1.3-2
Diff: 0
Objective: (2.1) List x- and y- Intercepts of Given Graph

21) D
ID: MWA13L 2.1.3-3
Diff: 0
Objective: (2.1) List x- and y- Intercepts of Given Graph

22) D
ID: MWA13L 2.1.3-4
Diff: 0
Objective: (2.1) List x- and y- Intercepts of Given Graph

23) C
ID: MWA13L 2.1.3-5
Diff: 0
Objective: (2.1) List x- and y- Intercepts of Given Graph

24) A
ID: MWA13L 2.1.4-1
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

25) D
ID: MWA13L 2.1.4-2
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

26) A
ID: MWA13L 2.1.4-3
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

27) D
ID: MWA13L 2.1.4-4
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

28) A
ID: MWA13L 2.1.4-5
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

29) A
ID: MWA13L 2.1.4-6
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

30) D
ID: MWA13L 2.1.4-7
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

31) B
ID: MWA13L 2.1.4-8
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

32) D
ID: MWA13L 2.1.4-9
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

33) A
ID: MWA13L 2.1.4-10
Diff: 0
Objective: (2.1) Find x- and y- Intercepts of Given Equation

34) A
ID: MWA13L 2.1.5-1
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

35) B
ID: MWA13L 2.1.5-2
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

36) B
ID: MWA13L 2.1.5-3
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

37) A
ID: MWA13L 2.1.5-4
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

38) D
ID: MWA13L 2.1.5-5
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

39) B
ID: MWA13L 2.1.5-6
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

40) D
ID: MWA13L 2.1.5-7
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

41) C
ID: MWA13L 2.1.5-8
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

42) B
ID: MWA13L 2.1.5-9
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

43) D
ID: MWA13L 2.1.5-10
Diff: 0
Objective: (2.1) Sketch Graph of Quadratic/Cubic/Radical Equation

44) B
ID: MWA13L 2.1.6-1
Diff: 0
Objective: (2.1) Use Graphing Calculator to Find Graph of Equation

45) B
ID: MWA13L 2.1.6-2
Diff: 0
Objective: (2.1) Use Graphing Calculator to Find Graph of Equation

46) B
ID: MWA13L 2.1.6-3
Diff: 0
Objective: (2.1) Use Graphing Calculator to Find Graph of Equation

47) C
ID: MWA13L 2.1.6-4
Diff: 0
Objective: (2.1) Use Graphing Calculator to Find Graph of Equation

48) D
ID: MWA13L 2.1.7-1
Diff: 0
Objective: (2.1) Use Graphing Calculator to Find Real Solutions of Equation

49) D
ID: MWA13L 2.1.7-2
Diff: 0
Objective: (2.1) Use Graphing Calculator to Find Real Solutions of Equation

50) C
ID: MWA13L 2.1.7-3
Diff: 0
Objective: (2.1) Use Graphing Calculator to Find Real Solutions of Equation

51) D
ID: MWA13L 2.1.8-1
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

52) A
ID: MWA13L 2.1.8-2
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

53) A
ID: MWA13L 2.1.8-3
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

54) A
ID: MWA13L 2.1.8-4
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

55) A
ID: MWA13L 2.1.8-5
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

56) A
ID: MWA13L 2.1.8-6
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

57) B
ID: MWA13L 2.1.8-7
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

58) D
ID: MWA13L 2.1.8-8
Diff: 0
Objective: (2.1) Solve Apps: Use Graphs

59) A
ID: MWA13L 2.2.1-1
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

60) A
ID: MWA13L 2.2.1-2
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

61) C
ID: MWA13L 2.2.1-3
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

62) C
ID: MWA13L 2.2.1-4
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

63) D
ID: MWA13L 2.2.1-5
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

64) D
ID: MWA13L 2.2.1-6
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

65) C
ID: MWA13L 2.2.1-7
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

66) A
ID: MWA13L 2.2.1-8
Diff: 0
Objective: (2.2) Find Slope of Line Through Given Points

67) A
ID: MWA13L 2.2.2-1
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

68) C
ID: MWA13L 2.2.2-2
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

69) D
ID: MWA13L 2.2.2-3
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

70) A
ID: MWA13L 2.2.2-4
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

71) C
ID: MWA13L 2.2.2-5
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

72) C
ID: MWA13L 2.2.2-6
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

73) C
ID: MWA13L 2.2.2-7
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

74) B
ID: MWA13L 2.2.2-8
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

75) C
ID: MWA13L 2.2.2-9
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

76) D
ID: MWA13L 2.2.2-10
Diff: 0
Objective: (2.2) Find Equation of Line with Given y-Intercept and Slope

77) D
ID: MWA13L 2.2.3-1
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

78) D
ID: MWA13L 2.2.3-2
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

79) B
ID: MWA13L 2.2.3-3
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

80) C
ID: MWA13L 2.2.3-4
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

81) A
ID: MWA13L 2.2.3-5
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

82) D
ID: MWA13L 2.2.3-6
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

83) D
ID: MWA13L 2.2.3-7
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

84) A
ID: MWA13L 2.2.3-8
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

85) D
ID: MWA13L 2.2.3-9
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

86) B
ID: MWA13L 2.2.3-10
Diff: 0
Objective: (2.2) Find Slope and y-Intercept of Line Given Its Equation

87) D
ID: MWA13L 2.2.4-1
Diff: 0
Objective: (2.2) Relate Lines by Slope Given a Graph

88) B
ID: MWA13L 2.2.4-2
Diff: 0
Objective: (2.2) Relate Lines by Slope Given a Graph

89) C
ID: MWA13L 2.2.4-3
Diff: 0
Objective: (2.2) Relate Lines by Slope Given a Graph

90) C
ID: MWA13L 2.2.4-4
Diff: 0
Objective: (2.2) Relate Lines by Slope Given a Graph

91) A
ID: MWA13L 2.2.5-1
Diff: 0
Objective: (2.2) Match Equation to Its Graph

92) C
ID: MWA13L 2.2.5-2
Diff: 0
Objective: (2.2) Match Equation to Its Graph

93) A
ID: MWA13L 2.2.5-3
Diff: 0
Objective: (2.2) Match Equation to Its Graph

94) D
ID: MWA13L 2.2.5-4
Diff: 0
Objective: (2.2) Match Equation to Its Graph

95) D
ID: MWA13L 2.2.5-5
Diff: 0
Objective: (2.2) Match Equation to Its Graph

96) D
ID: MWA13L 2.2.5-6
Diff: 0
Objective: (2.2) Match Equation to Its Graph

97) A
ID: MWA13L 2.2.6-1
Diff: 0
Objective: (2.2) Sketch Graph of Equation, Give Intercepts

98) B
ID: MWA13L 2.2.6-2
Diff: 0
Objective: (2.2) Sketch Graph of Equation, Give Intercepts

99) A
ID: MWA13L 2.2.6-3
Diff: 0
Objective: (2.2) Sketch Graph of Equation, Give Intercepts

100) B
ID: MWA13L 2.2.6-4
Diff: 0
Objective: (2.2) Sketch Graph of Equation, Give Intercepts

101) B
ID: MWA13L 2.2.6-5
Diff: 0
Objective: (2.2) Sketch Graph of Equation, Give Intercepts

102) B
ID: MWA13L 2.2.7-1
Diff: 0
Objective: (2.2) Det If Lines Are Parallel/Perp/Neither Given Points

103) C
ID: MWA13L 2.2.7-2
Diff: 0
Objective: (2.2) Det If Lines Are Parallel/Perp/Neither Given Points

104) B
ID: MWA13L 2.2.7-3
Diff: 0
Objective: (2.2) Det If Lines Are Parallel/Perp/Neither Given Points

105) C
ID: MWA13L 2.2.7-4
Diff: 0
Objective: (2.2) Det If Lines Are Parallel/Perp/Neither Given Points

106) C
ID: MWA13L 2.2.7-5
Diff: 0
Objective: (2.2) Det If Lines Are Parallel/Perp/Neither Given Points

107) C
ID: MWA13L 2.2.8-1
Diff: 0
Objective: (2.2) Find Eqn of Line with Given Slope, Through Given Point

108) D
ID: MWA13L 2.2.8-2
Diff: 0
Objective: (2.2) Find Eqn of Line with Given Slope, Through Given Point

109) B
ID: MWA13L 2.2.8-3
Diff: 0
Objective: (2.2) Find Eqn of Line with Given Slope, Through Given Point

110) C
ID: MWA13L 2.2.8-4
Diff: 0
Objective: (2.2) Find Eqn of Line with Given Slope, Through Given Point

111) C
ID: MWA13L 2.2.8-5
Diff: 0
Objective: (2.2) Find Eqn of Line with Given Slope, Through Given Point

112) B
ID: MWA13L 2.2.8-6
Diff: 0
Objective: (2.2) Find Eqn of Line with Given Slope, Through Given Point

113) A
ID: MWA13L 2.2.9-1
Diff: 0
Objective: (2.2) Find Eqn of Line Through Given Points

114) C
ID: MWA13L 2.2.9-2
Diff: 0
Objective: (2.2) Find Eqn of Line Through Given Points

115) C
ID: MWA13L 2.2.9-3
Diff: 0
Objective: (2.2) Find Eqn of Line Through Given Points

116) B
ID: MWA13L 2.2.9-4
Diff: 0
Objective: (2.2) Find Eqn of Line Through Given Points

117) D
ID: MWA13L 2.2.9-5
Diff: 0
Objective: (2.2) Find Eqn of Line Through Given Points

118) B
ID: MWA13L 2.2.9-6
Diff: 0
Objective: (2.2) Find Eqn of Line Through Given Points

119) B
ID: MWA13L 2.2.10-1
Diff: 0
Objective: (2.2) Find Eqn of Line Satisfying Conditions

120) D
ID: MWA13L 2.2.10-2
Diff: 0
Objective: (2.2) Find Eqn of Line Satisfying Conditions

121) C
ID: MWA13L 2.2.10-3
Diff: 0
Objective: (2.2) Find Eqn of Line Satisfying Conditions

122) B
ID: MWA13L 2.2.10-4
Diff: 0
Objective: (2.2) Find Eqn of Line Satisfying Conditions

123) D
ID: MWA13L 2.2.10-5
Diff: 0
Objective: (2.2) Find Eqn of Line Satisfying Conditions

124) B
ID: MWA13L 2.2.10-6
Diff: 0
Objective: (2.2) Find Eqn of Line Satisfying Conditions

125) D
ID: MWA13L 2.2.10-7
Diff: 0
Objective: (2.2) Find Eqn of Line Satisfying Conditions

126) C
ID: MWA13L 2.2.11-1
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

127) D
ID: MWA13L 2.2.11-2
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

128) B
ID: MWA13L 2.2.11-3
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

129) D
ID: MWA13L 2.2.11-4
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

130) D
ID: MWA13L 2.2.11-5
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

131) C
ID: MWA13L 2.2.11-6
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

132) C
ID: MWA13L 2.2.11-7
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

133) D
ID: MWA13L 2.2.11-8
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

134) D
ID: MWA13L 2.2.11-9
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

135) D
ID: MWA13L 2.2.11-10
Diff: 0
Objective: (2.2) Solve Apps: Slope and Equations of a Line

136) D
ID: MWA13L 2.3.1-1
Diff: 0
Objective: (2.3) Use Data Points To Construct A Linear Model

137) A
ID: MWA13L 2.3.1-2
Diff: 0
Objective: (2.3) Use Data Points To Construct A Linear Model

138) C
ID: MWA13L 2.3.2-1
Diff: 0
Objective: (2.3) Convert from Fahrenheit to Celsius, vice versa

139) B
ID: MWA13L 2.3.2-2
Diff: 0
Objective: (2.3) Convert from Fahrenheit to Celsius, vice versa

140) D
ID: MWA13L 2.3.2-3
Diff: 0
Objective: (2.3) Convert from Fahrenheit to Celsius, vice versa

141) B
ID: MWA13L 2.3.2-4
Diff: 0
Objective: (2.3) Convert from Fahrenheit to Celsius, vice versa

142) D
ID: MWA13L 2.3.3-1
Diff: 0
Objective: (2.3) Solve Apps: Convert Temperatures

143) D
ID: MWA13L 2.3.3-2
Diff: 0
Objective: (2.3) Solve Apps: Convert Temperatures

144) D
ID: MWA13L 2.3.3-3
Diff: 0
Objective: (2.3) Solve Apps: Convert Temperatures

145) B
ID: MWA13L 2.3.3-4
Diff: 0
Objective: (2.3) Solve Apps: Convert Temperatures

146) B
ID: MWA13L 2.3.3-5
Diff: 0
Objective: (2.3) Solve Apps: Convert Temperatures

147) C
ID: MWA13L 2.3.3-6
Diff: 0
Objective: (2.3) Solve Apps: Convert Temperatures

148) A
ID: MWA13L 2.3.4-1
Diff: 0
Objective: (2.3) Solve Apps: Linear Equations

149) C
ID: MWA13L 2.3.4-2
Diff: 0
Objective: (2.3) Solve Apps: Linear Equations

150) D
ID: MWA13L 2.3.4-3
Diff: 0
Objective: (2.3) Solve Apps: Linear Equations

151) D
ID: MWA13L 2.3.4-4
Diff: 0
Objective: (2.3) Solve Apps: Linear Equations

152) D
ID: MWA13L 2.3.5-1
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

153) C
ID: MWA13L 2.3.5-2
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

154) D
ID: MWA13L 2.3.5-3
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

155) B
ID: MWA13L 2.3.5-4
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

156) A
ID: MWA13L 2.3.5-5
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

157) B
ID: MWA13L 2.3.5-6
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

158) B
ID: MWA13L 2.3.5-7
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

159) C
ID: MWA13L 2.3.5-8
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

160) A
ID: MWA13L 2.3.5-9
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

161) A
ID: MWA13L 2.3.5-10
Diff: 0
Objective: (2.3) Solve Apps: Find Coefficient of Correlation

162) C
ID: MWA13L 2.3.6-1
Diff: 0
Objective: (2.3) Solve Apps: Use Calc to Find Regression Line

163) D
ID: MWA13L 2.3.6-2
Diff: 0
Objective: (2.3) Solve Apps: Use Calc to Find Regression Line

164) A
ID: MWA13L 2.3.6-3
Diff: 0
Objective: (2.3) Solve Apps: Use Calc to Find Regression Line

165) D
ID: MWA13L 2.3.6-4
Diff: 0
Objective: (2.3) Solve Apps: Use Calc to Find Regression Line

166) A
ID: MWA13L 2.3.6-5
Diff: 0
Objective: (2.3) Solve Apps: Use Calc to Find Regression Line

167) C
ID: MWA13L 2.3.6-6
Diff: 0
Objective: (2.3) Solve Apps: Use Calc to Find Regression Line

168) D
ID: MWA13L 2.3.7-1
Diff: 0
Objective: (2.3) Solve Apps: Linear Models and Regression Lines

169) D
ID: MWA13L 2.3.7-2
Diff: 0
Objective: (2.3) Solve Apps: Linear Models and Regression Lines

170) C
ID: MWA13L 2.3.7-3
Diff: 0
Objective: (2.3) Solve Apps: Linear Models and Regression Lines

171) B
ID: MWA13L 2.3.7-4
Diff: 0
Objective: (2.3) Solve Apps: Linear Models and Regression Lines

172) C
ID: MWA13L 2.3.7-5
Diff: 0
Objective: (2.3) Solve Apps: Linear Models and Regression Lines

173) C
ID: MWA13L 2.3.7-6
Diff: 0
Objective: (2.3) Solve Apps: Linear Models and Regression Lines

174) A
ID: MWA13L 2.3.7-7
Diff: 0
Objective: (2.3) Solve Apps: Linear Models and Regression Lines

175) A
ID: MWA13L 2.4.1-1
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

176) A
ID: MWA13L 2.4.1-2
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

177) A
ID: MWA13L 2.4.1-3
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

178) C
ID: MWA13L 2.4.1-4
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

179) C
ID: MWA13L 2.4.1-5
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

180) C
ID: MWA13L 2.4.1-6
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

181) C
ID: MWA13L 2.4.1-7
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

182) A
ID: MWA13L 2.4.1-8
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

183) B
ID: MWA13L 2.4.1-9
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

184) A
ID: MWA13L 2.4.1-10
Diff: 0
Objective: (2.4) Solve Linear Inequality, Graph Solution

185) B
ID: MWA13L 2.4.2-1
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

186) B
ID: MWA13L 2.4.2-2
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

187) D
ID: MWA13L 2.4.2-3
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

188) D
ID: MWA13L 2.4.2-4
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

189) B
ID: MWA13L 2.4.2-5
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

190) D
ID: MWA13L 2.4.2-6
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

191) D
ID: MWA13L 2.4.2-7
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

192) D
ID: MWA13L 2.4.2-8
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

193) C
ID: MWA13L 2.4.2-9
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

194) C
ID: MWA13L 2.4.2-10
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities I

195) B
ID: MWA13L 2.4.3-1
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

196) B
ID: MWA13L 2.4.3-2
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

197) C
ID: MWA13L 2.4.3-3
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

198) D
ID: MWA13L 2.4.3-4
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

199) C
ID: MWA13L 2.4.3-5
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

200) B
ID: MWA13L 2.4.3-6
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

201) B
ID: MWA13L 2.4.3-7
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

202) D
ID: MWA13L 2.4.3-8
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

203) B
ID: MWA13L 2.4.3-9
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

204) C
ID: MWA13L 2.4.3-10
Diff: 0
Objective: (2.4) Solve Absolute Value Inequality, Graph Solution

205) C
ID: MWA13L 2.4.4-1
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

206) A
ID: MWA13L 2.4.4-2
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

207) D
ID: MWA13L 2.4.4-3
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

208) A
ID: MWA13L 2.4.4-4
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

209) D
ID: MWA13L 2.4.4-5
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

210) D
ID: MWA13L 2.4.4-6
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

211) A
ID: MWA13L 2.4.4-7
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

212) C
ID: MWA13L 2.4.4-8
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

213) A
ID: MWA13L 2.4.4-9
Diff: 0
Objective: (2.4) Solve Apps: Linear Inequalities II

214) B
ID: MWA13L 2.5.1-1
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

215) D
ID: MWA13L 2.5.1-2
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

216) D
ID: MWA13L 2.5.1-3
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

217) B
ID: MWA13L 2.5.1-4
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

218) D
ID: MWA13L 2.5.1-5
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

219) D
ID: MWA13L 2.5.1-6
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

220) D
ID: MWA13L 2.5.1-7
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

221) A
ID: MWA13L 2.5.1-8
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

222) B
ID: MWA13L 2.5.1-9
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

223) C
ID: MWA13L 2.5.1-10
Diff: 0
Objective: (2.5) Solve Quadratic Inequality, Graph Solution

224) B
ID: MWA13L 2.5.2-1
Diff: 0
Objective: (2.5) Solve Cubic Inequality

225) A
ID: MWA13L 2.5.2-2
Diff: 0
Objective: (2.5) Solve Cubic Inequality

226) A
ID: MWA13L 2.5.2-3
Diff: 0
Objective: (2.5) Solve Cubic Inequality

227) B
ID: MWA13L 2.5.2-4
Diff: 0
Objective: (2.5) Solve Cubic Inequality

228) D
ID: MWA13L 2.5.2-5
Diff: 0
Objective: (2.5) Solve Cubic Inequality

229) D
ID: MWA13L 2.5.2-6
Diff: 0
Objective: (2.5) Solve Cubic Inequality

230) A
ID: MWA13L 2.5.2-7
Diff: 0
Objective: (2.5) Solve Cubic Inequality

231) D
ID: MWA13L 2.5.3-1
Diff: 0
Objective: (2.5) Solve Rational Inequality

232) D
ID: MWA13L 2.5.3-2
Diff: 0
Objective: (2.5) Solve Rational Inequality

233) C
ID: MWA13L 2.5.3-3
Diff: 0
Objective: (2.5) Solve Rational Inequality

234) A
ID: MWA13L 2.5.3-4
Diff: 0
Objective: (2.5) Solve Rational Inequality

235) A
ID: MWA13L 2.5.3-5
Diff: 0
Objective: (2.5) Solve Rational Inequality

236) C
ID: MWA13L 2.5.3-6
Diff: 0
Objective: (2.5) Solve Rational Inequality

237) C
ID: MWA13L 2.5.3-7
Diff: 0
Objective: (2.5) Solve Rational Inequality

238) D
ID: MWA13L 2.5.3-8
Diff: 0
Objective: (2.5) Solve Rational Inequality

239) B
ID: MWA13L 2.5.3-9
Diff: 0
Objective: (2.5) Solve Rational Inequality

240) C
ID: MWA13L 2.5.3-10
Diff: 0
Objective: (2.5) Solve Rational Inequality

241) D
ID: MWA13L 2.5.4-1
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

242) C
ID: MWA13L 2.5.4-2
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

243) A
ID: MWA13L 2.5.4-3
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

244) C
ID: MWA13L 2.5.4-4
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

245) D
ID: MWA13L 2.5.4-5
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

246) A
ID: MWA13L 2.5.4-6
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

247) C
ID: MWA13L 2.5.4-7
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

248) C
ID: MWA13L 2.5.4-8
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

249) C
ID: MWA13L 2.5.4-9
Diff: 0
Objective: (2.5) Use Graphing Calc: Solve Polynomial/Rational Inequality

250) C
ID: MWA13L 2.5.5-1
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

251) C
ID: MWA13L 2.5.5-2
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

252) A
ID: MWA13L 2.5.5-3
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

253) D
ID: MWA13L 2.5.5-4
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

254) D
ID: MWA13L 2.5.5-5
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

255) A
ID: MWA13L 2.5.5-6
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

256) C
ID: MWA13L 2.5.5-7
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

257) A
ID: MWA13L 2.5.5-8
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities

258) A
ID: MWA13L 2.5.5-9
Diff: 0
Objective: (2.5) Solve Apps: Polynomial and Rational Inequalities