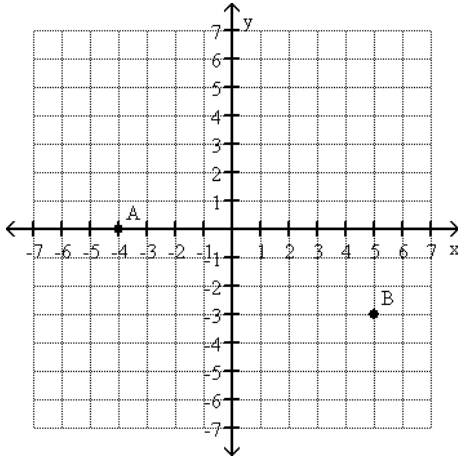


Find the coordinates of the labeled points.

1)



Determine the quadrant in which the point is located.

2) (-17, -12)

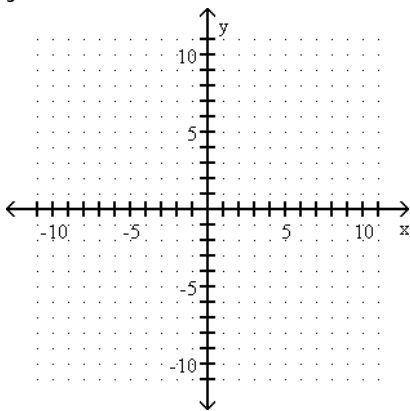
3) (-6, 12)

Decide whether or not the ordered pair is a solution to the equation.

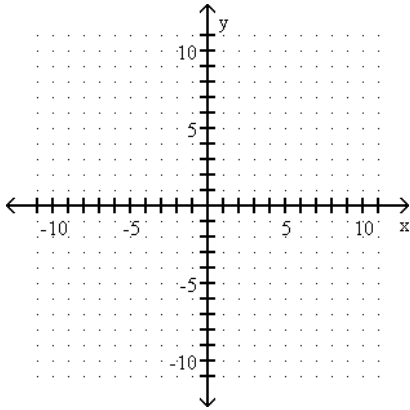
4) $5x + y = 20$; (3, 5)

5 - 6 Graph by making a chart and plotting points.

5) $y = x - 6$



6) $-2x + y = 0$



Find the y-intercept.

7) $2x + y = -8$

Find the x-intercept.

8) $-2x + y = 4$

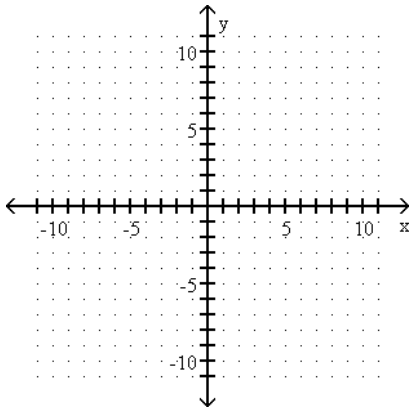
9-10 Find the y-intercept and x-intercept. Say none if it does not exist.

9) $y = 16$

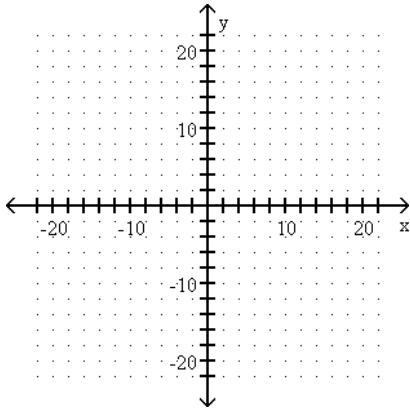
10) $x = 6$

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

11) $6y - 2x = -12$

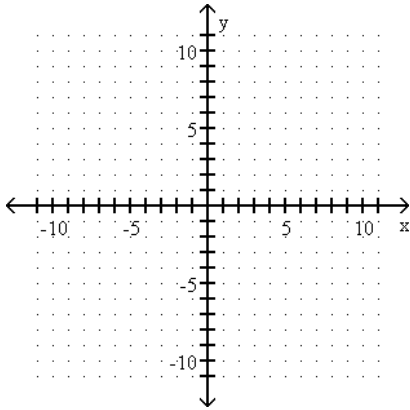


12) $-x + 2y = 4$

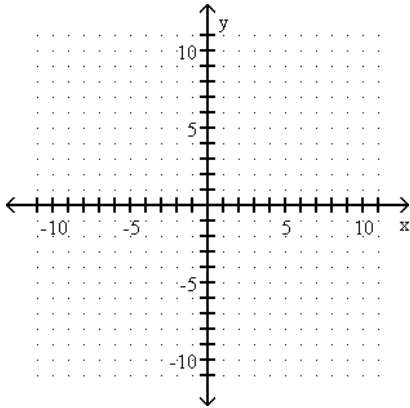


Graph the equation.

13) $x = -7$

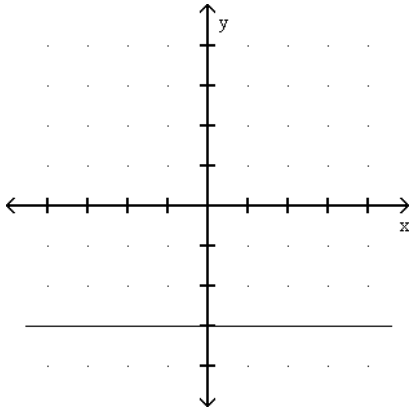


14) $y = 8$

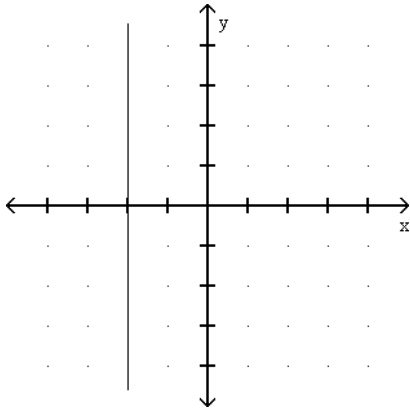


Write an equation for the graph.

15)

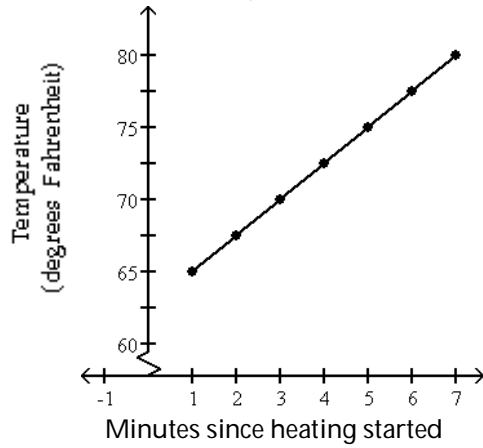


16)



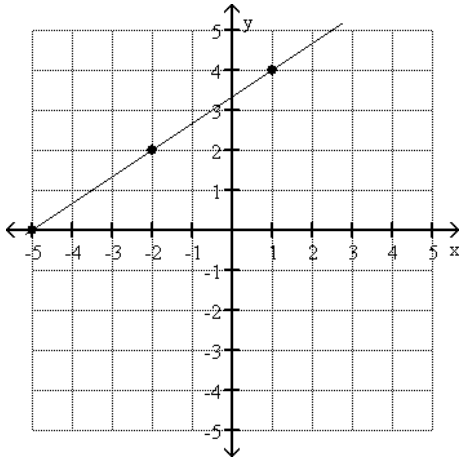
Use the graph to solve the problem.

17) Find the rate of change of the temperature of the water being heated.

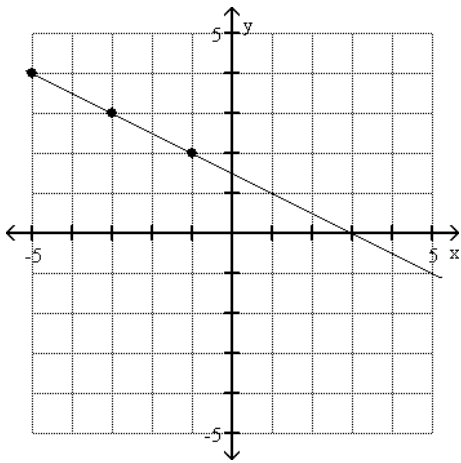


18-23 Find the slope or state that the slope is undefined if appropriate.

18)



19)



20) $(6, 5)$ and $(11, -2)$

21) $(-3, 9)$ and $(5, 9)$

22) $y = 1$

23) $x = 4$

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

24) $y = \frac{11}{4}x - 6$

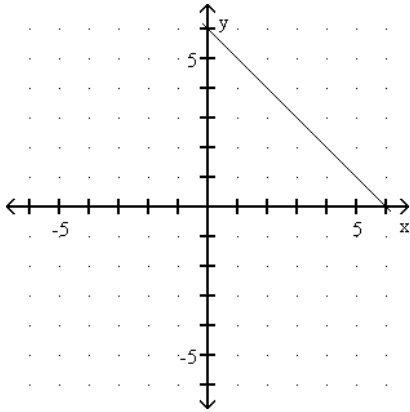
25) $-6x + 9y = 27$

Find the slope-intercept equation for the line with the indicated slope and y-intercept.

26) Slope $\frac{3}{4}$; y-intercept $(0, 1)$

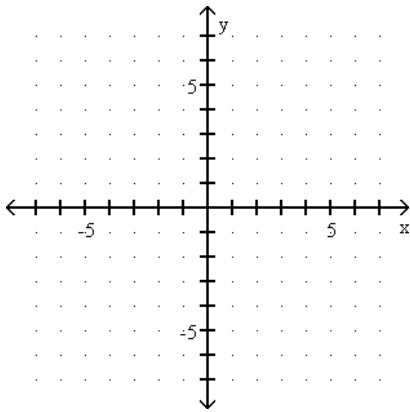
Find the equation for the graph.

27)

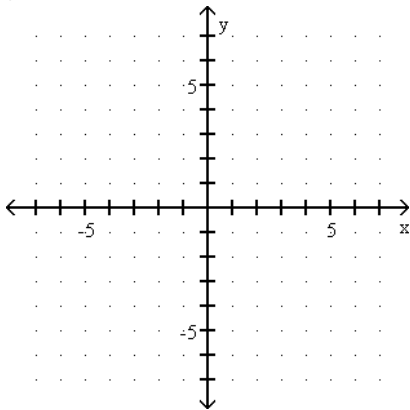


28-29 Graph the linear equation by using the y-intercept and slope.

28) $y = -\frac{1}{4}x + 1$



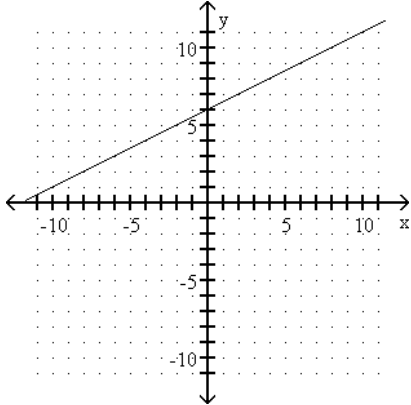
29) $y = -6x + 5$



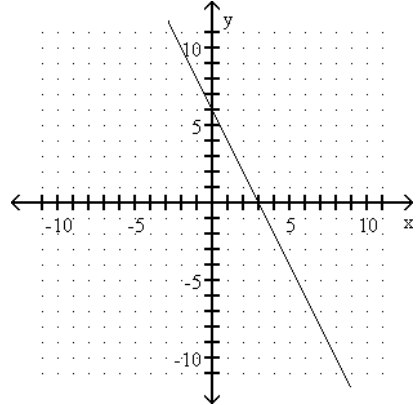
30-31 Match the equation to the correct graph.

30) $y = 2x + 6$

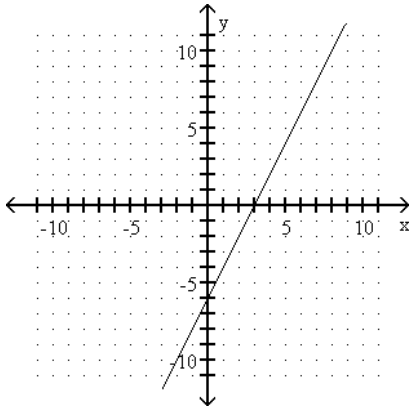
A)



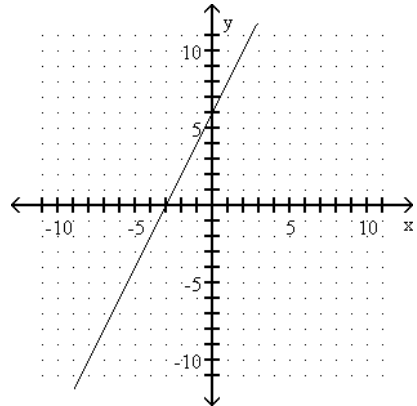
B)



C)

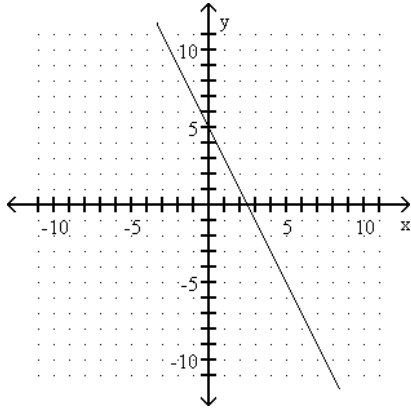


D)

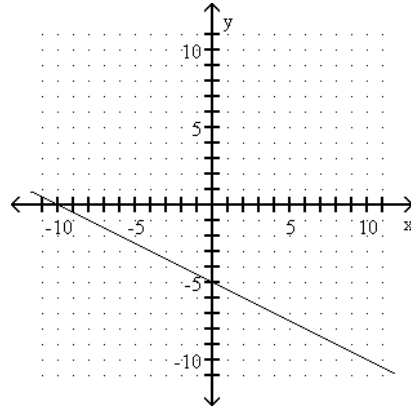


31) $y = -\frac{1}{2}x + 5$

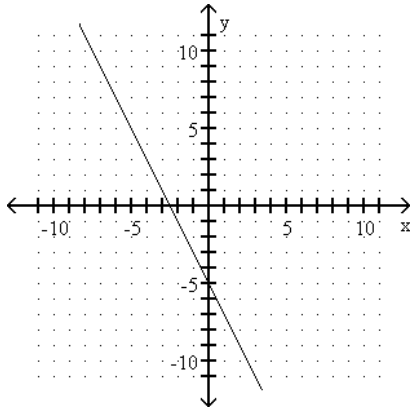
A)



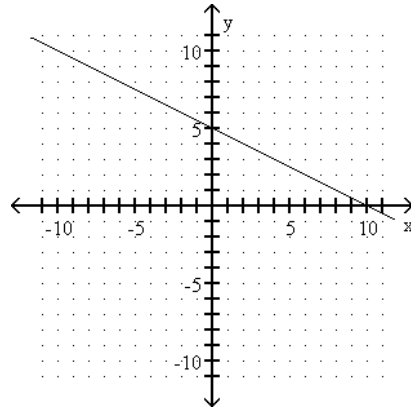
B)



C)



D)



Solve the problem.

32) The weight of an object on the moon varies directly as its weight on earth. A person who weighs 112 lb on earth weighs 22.4 lb on the moon. How much would a 181-lb person weigh on the moon? Find the equation that would be used to solve

A) $\frac{112}{181} = \frac{x}{224}$

B) $\frac{x}{112} = \frac{181}{224}$

C) $\frac{181}{112} = \frac{224}{x}$

D) $\frac{181}{x} = \frac{112}{224}$

Solve.

33) x varies inversely as v . If $x = 10$ when $v = 7$, find x when $v = 14$.

34) optional extra practice

Page 223, 13-21, 25-30, 33-38, 41, 42, 45, 50-53

Page 225, 3-18, 21, 22, 27 Answers to all are in the book.