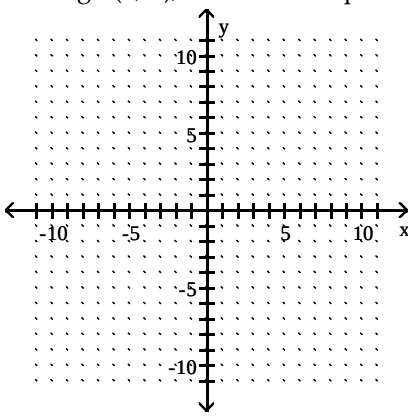
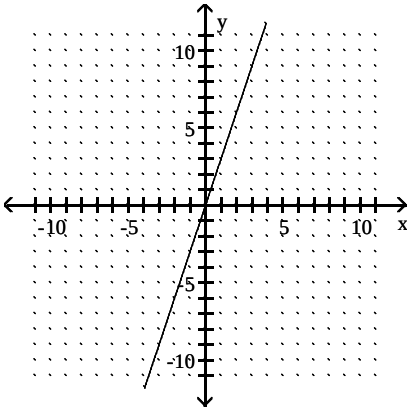
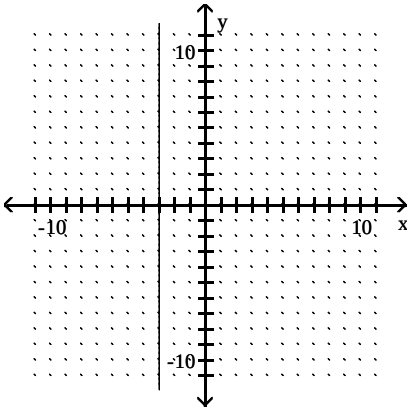
54) Through (3, 3), undefined slope. 54) _____



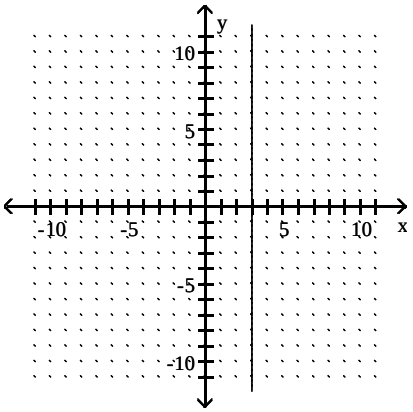
A)



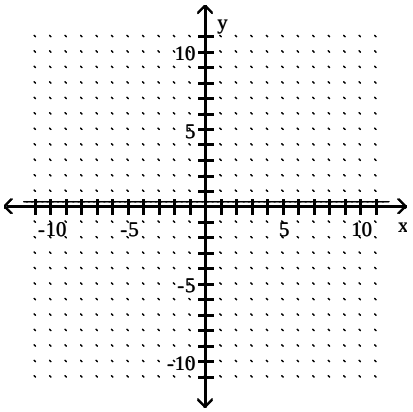
B)



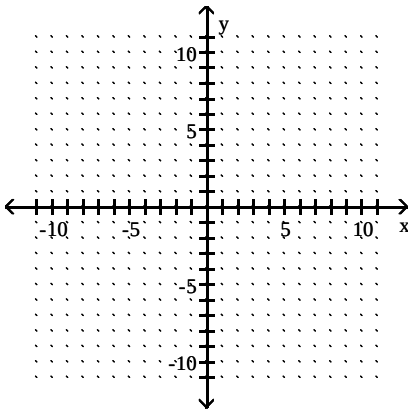
C)



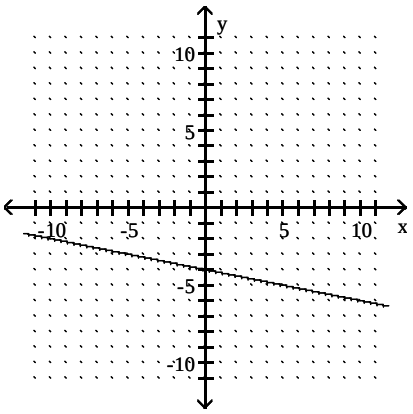
D)



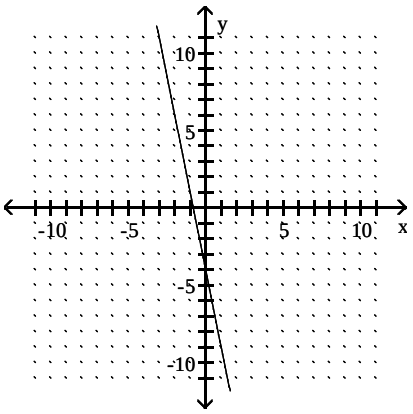
55) Through (0, 4), $m = -\frac{1}{5}$ 55) _____



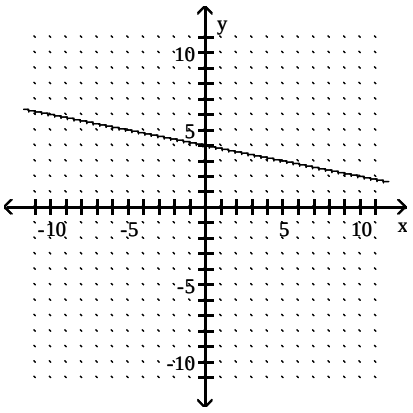
A)



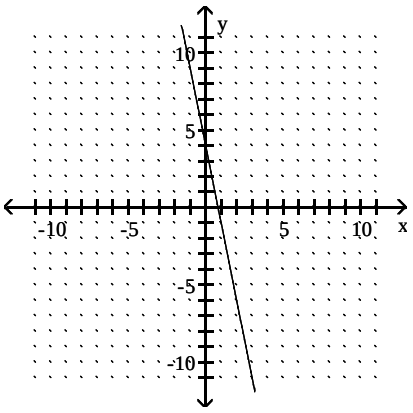
B)



C)



D)



Solve.

56) Complete these ordered pairs for the equation $3x - 5y = -15$; (0,), (, 0), (,5) 56) _____

A) (0, 10), (–5, 0), (5, 6)
B) (0, 3), (5, 0), (–5, 6)
C) (10, 3), (5, 0), (–5, 6)
D) (0, 3), (–5, 0), (5, 6)

Find the slope of the line.

57) Through (–5, 3) and (–8, 8) 57) _____

A) $-\frac{3}{5}$ B) 2 C) $\frac{1}{2}$ D) $-\frac{5}{3}$

Write an equation for the line. Give the final answer in slope–intercept form.

58) Through (2, –3) and (–1, 8) 58) _____

A) $y = -\frac{11}{3}x + \frac{13}{3}$ B) $y = \frac{11}{3}x + \frac{13}{3}$ C) $y = -\frac{5}{9}x + \frac{67}{9}$ D) $y = \frac{5}{9}x + \frac{67}{9}$

Find the slope of the line.

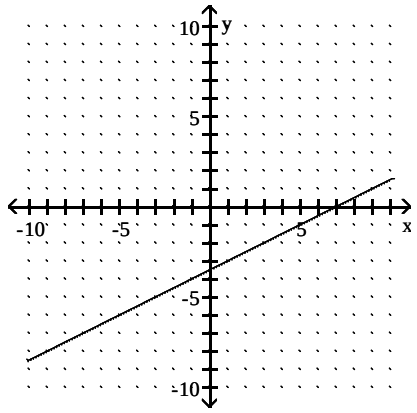
59) $2x + y = 7$ 59) _____

A) 7 B) –2 C) –7 D) 2

60) $x = 10$ 60) _____

A) 1 B) 0 C) Undefined D) 10

61) 61) _____



A) $-\frac{1}{2}$ B) – 2 C) 2 D) $\frac{1}{2}$

62) A line parallel to the graph of $y - 3 = 7$ 62) _____

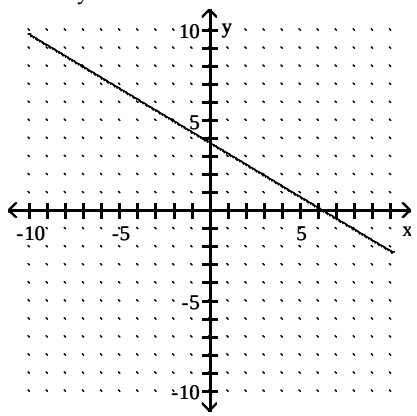
A) 0 B) Undefined C) 3 D) 7

Write an equation for the line. Give the final answer in slope–intercept form.

63) Through (3, 4), m = – 5 63) _____

A) $y = -5x + 19$ B) $y = -5x - 19$ C) $y = -\frac{1}{5}x + 19$ D) $y = -5x + \frac{1}{19}$

64) $3x + 5y = 19$ 64) _____



A) $y = \frac{5}{3}x + \frac{9}{5}$ B) $y = -\frac{3}{5}x + \frac{19}{5}$ C) $y = \frac{3}{5}x + \frac{9}{5}$ D) $y = \frac{3}{5}x + \frac{19}{5}$

Solve.

65) Is (4, 2) a solution of $3x - 3y = 18$? 65) _____

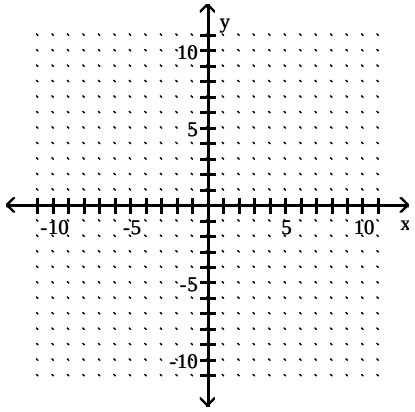
A) Yes B) No

66) How do you find the x–intercept of the graph of a linear equation in two variables? 66) _____

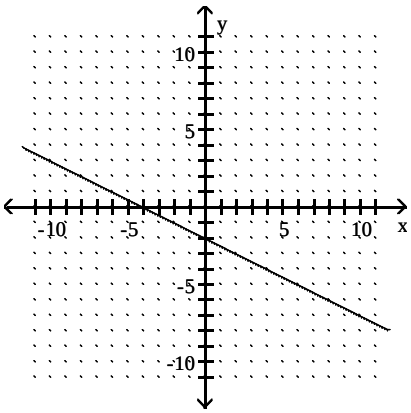
A) Let $y = 0$. B) Let $x = 0$.

Graph the linear equation. Give the x– and y–intercepts.

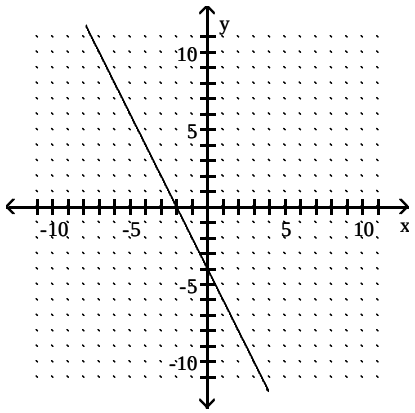
67) $2x + y = -4$ 67) _____



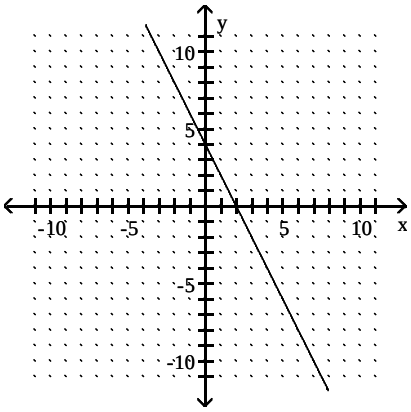
A) x–intercept: (–4, 0); y–intercept: (0, – 2)



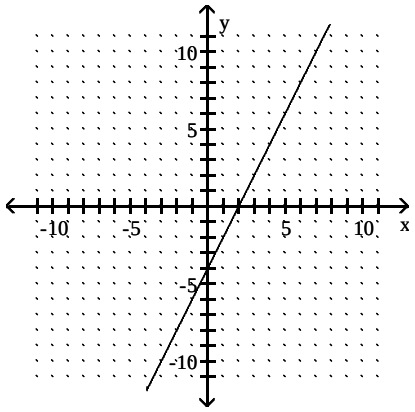
B) x–intercept: (– 2, 0); y–intercept: (0, –4)



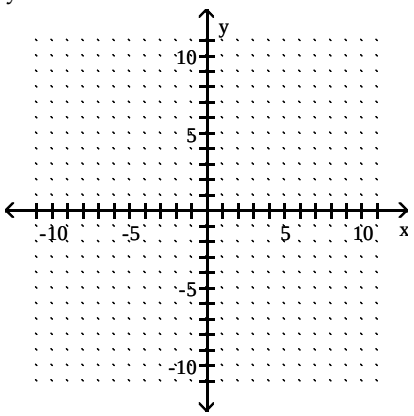
C) x–intercept: (2, 0); y–intercept: (0, 4)



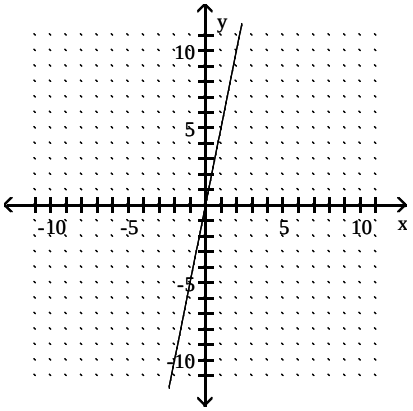
D) x–intercept: (2, 0); y–intercept: (0, –4)



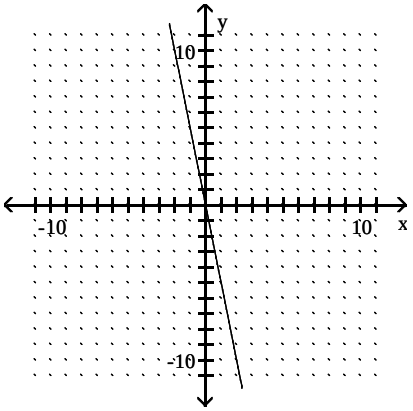
68) $y + 5x = 0$ 68) _____



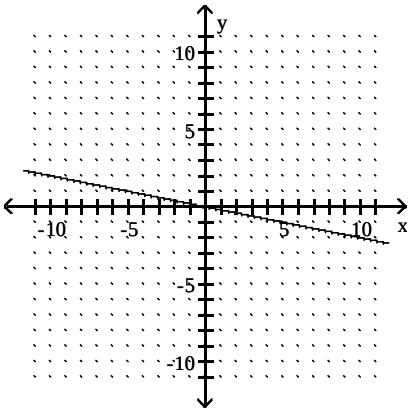
A) x-intercept: (0, 0); y-intercept: (0, 0)



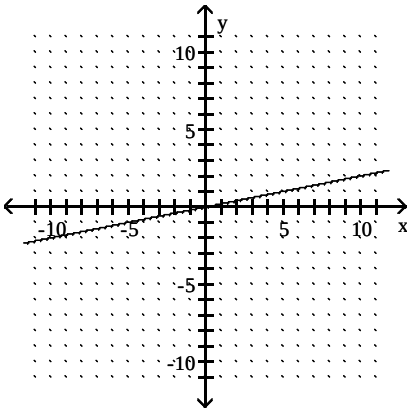
B) x-intercept: (0, 0); y-intercept: (0, 0)



C) x-intercept: (0, 0); y-intercept: (0, 0)

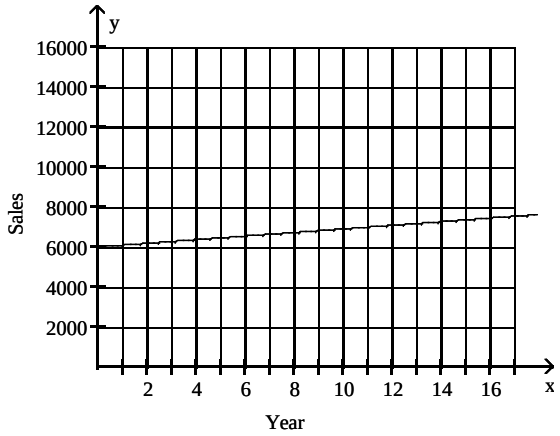


D) x-intercept: (0, 0); y-intercept: (0, 0)



Solve the problem.

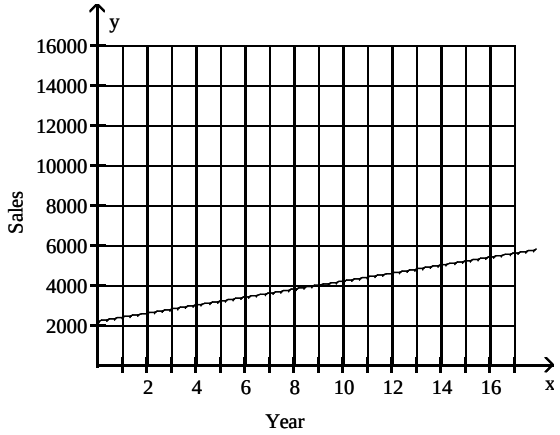
69) The graph shows the sales of a particular brand of appliance from 1982 to 2000, where 1982 corresponds to x = 0. Is the slope of the line in the graph positive or negative? Explain. 69) _____



A) Negative; The sales are decreasing.

B) Positive; The sales are increasing.

70) The graph shows the sales of a particular brand of appliance from 1982 to 2000, where 1982 corresponds to x = 0. Write two ordered pairs for the data points shown in the graph. Use them to find the slope of the line. 70) _____



A) (0, 2200), (15, 5200); 220

B) (15, 2200), (15, 5000); 200

C) (15, 2200), (15, 5000); 220

D) (0, 2200), (15, 5200); 200