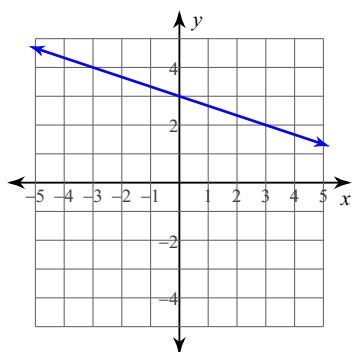


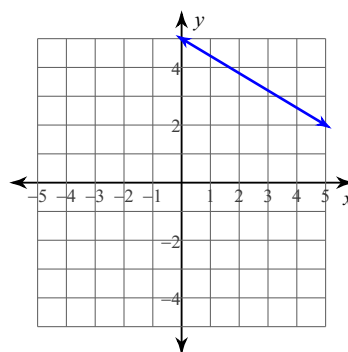
Writing Equations

Write the slope-intercept form of the equation of each line.

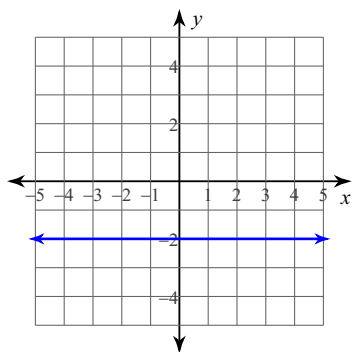
1)



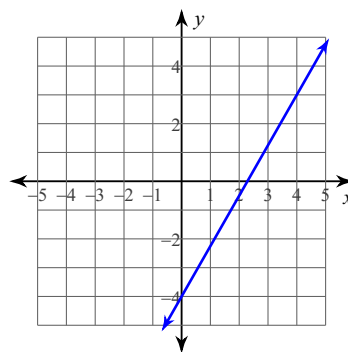
2)



3)



4)



Write the slope-intercept form of the equation of the line through the given point with the given slope.

5) through: $(-1, -3)$, slope = 2

6) through: $(4, 5)$, slope = $\frac{3}{4}$

7) through: $(5, -1)$, slope = $\frac{1}{5}$

8) through: $(5, -3)$, slope = undefined

Write the slope-intercept form of the equation of the line through the given points.

9) through: $(-2, -5)$ and $(-5, -2)$

10) through: $(4, -5)$ and $(4, 3)$

11) through: $(-1, -1)$ and $(-2, 1)$

12) through: $(0, -3)$ and $(5, 4)$

Write the slope-intercept form of the equation of the line described.

13) through: $(2, -1)$, parallel to $y = -2x - 4$

14) through: $(1, 1)$, parallel to $y = -1$

15) through: $(4, 5)$, parallel to $y = \frac{1}{2}x + 1$

16) through: $(4, -2)$, parallel to $x = 0$

17) through: $(-3, -4)$, perp. to $y = 3x + 2$

18) through: $(3, -2)$, perp. to $y = 2x$

19) through: $(0, 4)$, perp. to $y = -5$

20) through: $(1, -3)$, perp. to $y = \frac{1}{6}x + 2$

Answers to Writing Equations (ID: 1)

1) $y = -\frac{1}{3}x + 3$

5) $y = 2x - 1$

9) $y = -x - 7$

13) $y = -2x + 3$

17) $y = -\frac{1}{3}x - 5$

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

6) $y = \frac{3}{4}x + 2$

10) $x = 4$

14) $y = 1$

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

3) $y = -2$

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

11) $y = -2x - 3$

15) $y = \frac{1}{2}x + 3$

19) $x = 0$

4) $y = \frac{7}{4}x - 4$

8) $x = 5$

12) $y = \frac{7}{5}x - 3$

16) $x = 4$

20) $y = -6x + 3$