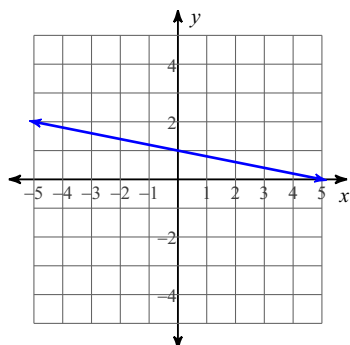


## 6.1 - Practice

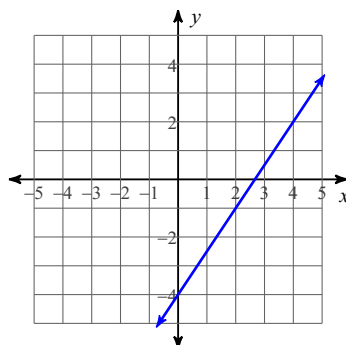
Write the slope-intercept form of the equation of each line.

1)



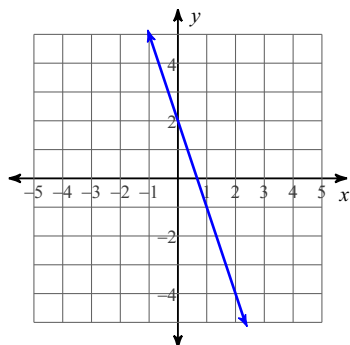
$$y = -\frac{1}{5}x + 1$$

2)



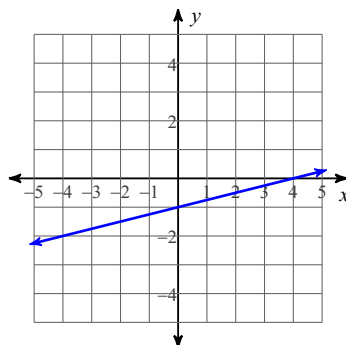
$$y = \frac{3}{2}x - 4$$

3)



$$y = -3x + 2$$

4)



$$y = \frac{1}{4}x - 1$$

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

5) through:  $(-1, -3)$ , slope = 4

$$y = 4x + 1$$

6) through:  $(5, 2)$ , slope =  $\frac{3}{5}$ 

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

7) through:  $(-4, -4)$ , slope = 2

$$y = 2x + 4$$

8) through:  $(-4, -5)$ , slope =  $-7$

$$y = -7x - 33$$

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

9) through:  $(0, -5)$  and  $(-2, -3)$

$$y = -x - 5$$

10) through:  $(0, -3)$  and  $(3, -4)$

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

11) through:  $(3, -1)$  and  $(0, 1)$

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

12) through:  $(0, 5)$  and  $(4, -1)$

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

13) through:  $(-1, 4)$  and  $(0, -2)$

$$y = -6x - 2$$

14) through:  $(0, -4)$  and  $(5, 5)$

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

15) through:  $(-3, 5)$  and  $(0, 3)$

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

16) through:  $(-1, -1)$  and  $(1, 3)$

$$y = 2x + 1$$

17) through:  $(0, 1)$  and  $(3, -2)$

$$y = -x + 1$$

18) through:  $(0, 2)$  and  $(0, 3)$

$$x = 0$$

19) through:  $(0, 4)$  and  $(-2, 3)$

$$y = \frac{1}{2}x + 4$$

20) through:  $(-5, -3)$  and  $(0, -3)$

$$y = -3$$