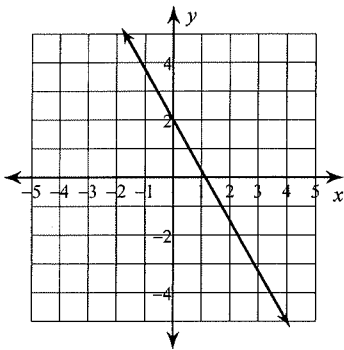


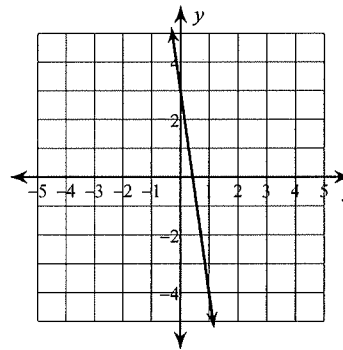
HW 15 Writing Equations of Lines

Write the slope-intercept ($y = mx + b$) form of the equation of each line.

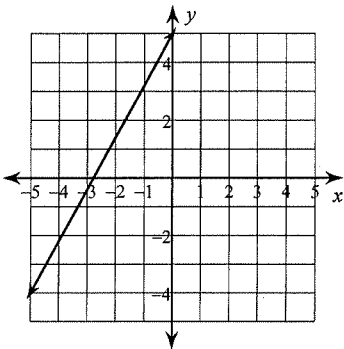
1)



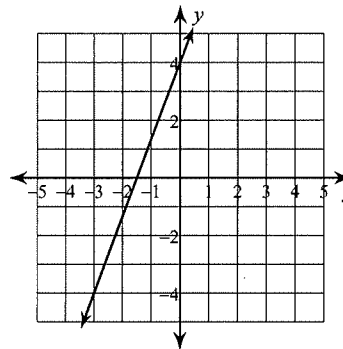
2)



3)



4)



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

5) through: $(-1, 5)$, slope = -3 6) through: $(5, 1)$, slope = $\frac{5}{2}$

Find the slope of the line through each pair of points.

7) $(11, -17)$, $(0, 5)$ 8) $(-1, -9)$, $(5, 7)$

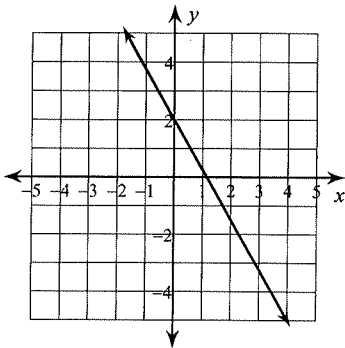
Write the point-slope form of the equation of the line through the given points. First find the slope!

9) through: $(3, -1)$ and $(-5, 5)$ 10) through: $(-1, -4)$ and $(1, 2)$

HW 15 Writing Equations of Lines

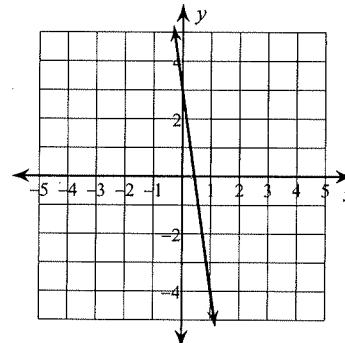
Write the slope-intercept ($y = mx + b$) form of the equation of each line.

1)



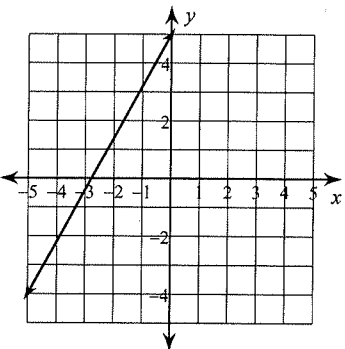
$$y = -\frac{7}{4}x + 2$$

2)



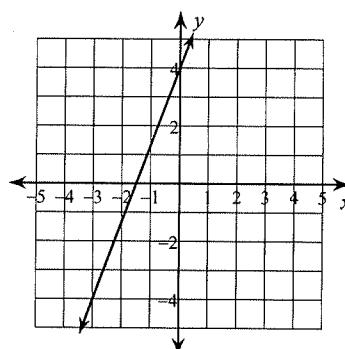
$$y = -7x + 3$$

3)



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

4)



$$y = \frac{8}{3}x + 4$$

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

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

$$y - 5 = -3(x + 1)$$

6) through: $(5, 1)$, slope = $\frac{5}{2}$

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

Find the slope of the line through each pair of points.

7) $(11, -17)$, $(0, 5)$

$$-2$$

8) $(-1, -9)$, $(5, 7)$

$$\frac{8}{3}$$

Write the point-slope form of the equation of the line through the given points. First find the slope!

9) through: $(3, -1)$ and $(-5, 5)$

$$y + 1 = -\frac{3}{4}(x - 3)$$

10) through: $(-1, -4)$ and $(1, 2)$

$$y + 4 = 3(x + 1)$$