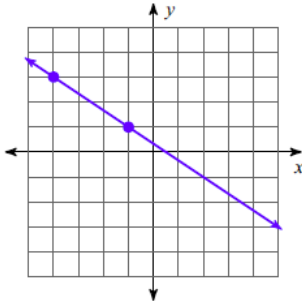


4.1-4.3 WS

Find the slope of each line.

1)



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

2)  $(-19, 8), (-16, 8)$

3)  $(5, -15), (-7, 1)$

Find the slope of a line perpendicular to each given line.

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

Find the value of x or y so that the line through the points has the given slope.

5)  $(x, 7)$  and  $(-3, -4)$ ; slope:  $\frac{11}{7}$

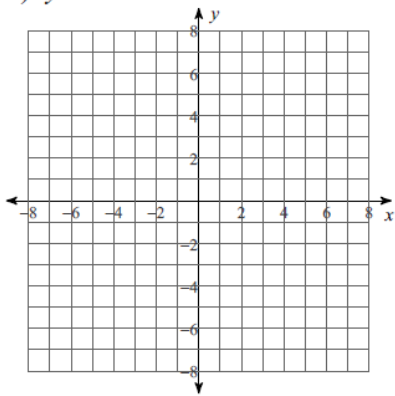
6)  $(0, y)$  and  $(2, -9)$ ; slope:  $-3$

- 7) The coordinates of the vertices of a triangle are  $(20,10)$ ,  $(-35,20)$  and  $(5,-10)$ . Find the slopes of each segment pairs to determine if it is a right triangle?

- 8) Draw the graphs of the linear functions with the following equations:

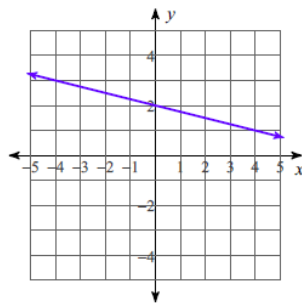
a)  $y = \frac{2}{5}x + 3$

b)  $y = -2$



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

9)



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

- 10) through:  $(4, 2)$ , parallel to  $y = -\frac{1}{3}x - 5$