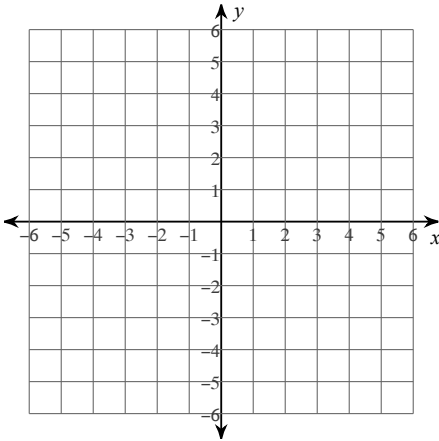


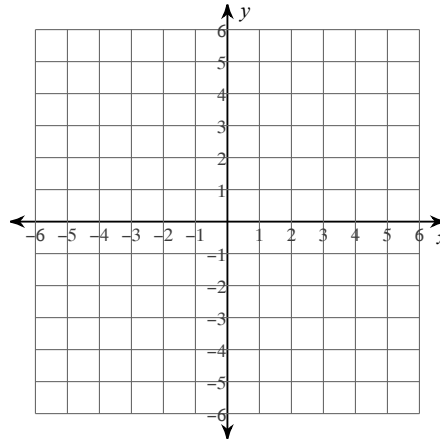
## Review for Final Exam Assignment #3

Sketch the graph of each line.

1)  $7x - 3y = 9$

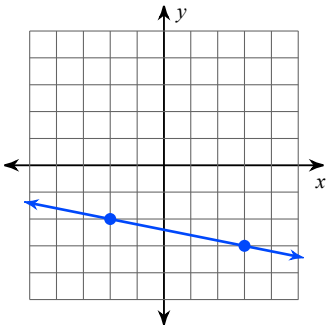


2)  $6x - 5y = 10$

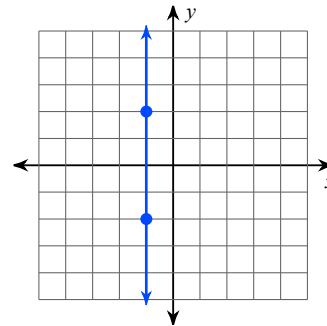


Find the slope of each line.

3)



4)



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

5)  $(7, 8), (-11, -14)$

6)  $(0, -12), (14, -5)$

**Find the slope of each line.**

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

8)  $y = \frac{1}{5}x + 2$

**Find the slope of a line parallel to each given line.**

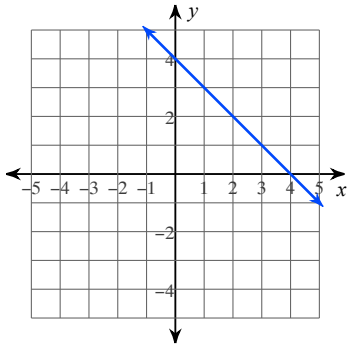
9)  $y = 5$

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

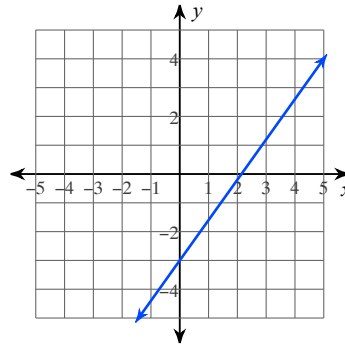
10)  $y = -2x + 5$

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

11)



12)



**Write the slope-intercept form of the equation of each line given the slope and y-intercept.**

13) Slope =  $-\frac{7}{5}$ , y-intercept =  $-3$

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

14) through:  $(1, 0)$ , slope =  $-1$

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

15) through:  $(1, 1)$  and  $(0, 5)$

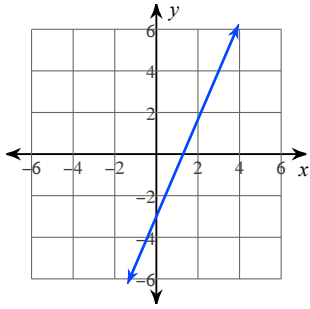
**Write the slope-intercept form of the equation of the line described.**

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

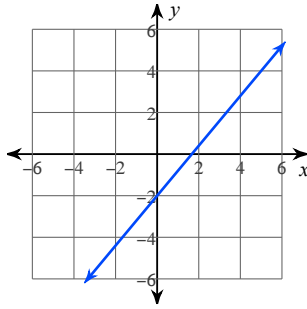
17) through:  $(-1, -4)$ , perp. to  $y = x - 2$

# Answers to Review for Final Exam Assignment #3

1)



2)



3)  $-\frac{1}{5}$

4) Undefined

5)  $\frac{11}{9}$

6)  $\frac{1}{2}$

7)  $-\frac{5}{2}$

8)  $\frac{1}{5}$

9) 0

10)  $\frac{1}{2}$

11)  $y = -x + 4$

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

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

14)  $y = -x + 1$

15)  $y = -4x + 5$

16)  $y = -x + 3$

17)  $y = -x - 5$