

Show all work on a separate sheet of paper.

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

1)  $(-4, 10), (-19, 11)$

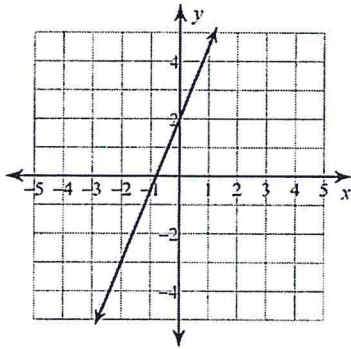
2)  $(-1, 5), (6, 5)$

3)  $(-5, 0), (8, 16)$

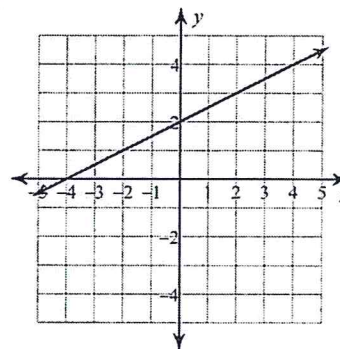
4)  $(1, 8), (10, -8)$

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

5)



6)



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

7) Slope =  $-2$ , y-intercept =  $-3$

8) Slope =  $-\frac{1}{3}$ , y-intercept =  $1$

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

9)  $2x - 3y = 15$

10)  $2x - y = -5$

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

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

12) through:  $(2, -1)$  and  $(0, 5)$

13) through:  $(5, 3)$  and  $(2, -3)$

14) through:  $(1, 4)$  and  $(2, -5)$

15) through:  $(3, 1)$  and  $(4, -1)$

16) through:  $(1, 3)$  and  $(3, 2)$

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

17) through:  $(-1, -4)$ , parallel to  $y = -3x - 5$

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