

## Math 1 Review Slope and Writing Equations of lines

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

1)  $(-14, -6), (-18, 16)$

2)  $(-13, 5), (-11, 6)$

3)  $(3, -4), (-16, -2)$

4)  $(-10, -19), (1, 6)$

5)  $(-13, 18), (-9, 11)$

6)  $(-13, -11), (18, 8)$

7)  $(-9, 12), (-6, -6)$

8)  $(15, 19), (-12, 4)$

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

9) through:  $(-2, 0)$  and  $(0, 1)$

10) through:  $(0, -3)$  and  $(1, 5)$

11) through:  $(5, -4)$  and  $(-4, 5)$

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

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

13) through:  $(2, -5)$ , slope =  $-3$

14) through:  $(2, 4)$ , slope = undefined

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

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

17) through:  $(-3, 1)$ , slope =  $-2$

18) through:  $(2, 1)$ , slope =  $0$