

## 3.5 Slopes of Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the slope of each line.**

1)  $y = x - 1$

2)  $y = -1$

3)  $y = 2x - 3$

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

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

5)  $y = -5x + 1$

6)  $y = -\frac{4}{5}x - 1$

7)  $y = -4x + 4$

8)  $y = 8x + 4$

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

9)  $y = 3x - 1$

10)  $y = -\frac{7}{5}x + 4$

11)  $y = -\frac{4}{5}x - 2$

12)  $y = -2x - 4$

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

13)  $(-19, -9), (-20, -12)$

14)  $(4, 12), (-1, 16)$

15)  $(-13, -16), (20, -2)$

16)  $(12, 17), (5, 14)$

17)  $(16, 2), (-11, 1)$

18)  $(10, 18), (1, -5)$