

## Parallel and Perpendicular slopes HW Date \_\_\_\_\_ Period \_\_\_\_ TEAM \_\_\_\_\_

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

1)  $(19, -1), (19, -19)$

2)  $(-14, -11), (-4, -13)$

3)  $(20, 12), (-16, -20)$

4)  $(10, -11), (18, 5)$

**Find the slope that is parallel to the pair of points.**

5)  $(4, -2), (16, 0)$

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

7)  $(20, 7), (8, 0)$

8)  $(2, -20), (-5, 14)$

**Find the slope that is perpendicular to the pair of points.**

9)  $(17, 9), (-20, 9)$

10)  $(12, -16), (-2, -11)$

11)  $(18, 0), (-9, 17)$

12)  $(13, -19), (15, 14)$

**Find the slope of each line.**

13)  $y = -5x - 2$

14)  $y = -1$

$$15) y = \frac{1}{5}x - 1$$

$$16) y = -\frac{4}{5}x - 1$$

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

$$17) y = -x + 5$$

$$18) y = \frac{1}{2}x + 2$$

$$19) y = -\frac{1}{3}x - 4$$

$$20) y = -\frac{1}{5}x + 2$$

$$21) x - 2y = 4$$

$$22) x + 4y = 16$$

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

$$23) y = x + 5$$

$$24) y = 3x + 1$$

$$25) y = \frac{1}{3}x + 3$$

$$26) y = -\frac{1}{5}x - 4$$

$$27) x + y = 5$$

$$28) 2x + y = 5$$

## Parallel and Perpendicular slopes HW

Date \_\_\_\_\_

Period \_\_\_\_

TEAM \_\_\_\_\_

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

1)  $(19, -1), (19, -19)$

Undefined

2)  $(-14, -11), (-4, -13)$

 $-\frac{1}{5}$ 

3)  $(20, 12), (-16, -20)$

 $\frac{8}{9}$ 

4)  $(10, -11), (18, 5)$

2

**Find the slope that is parallel to the pair of points.**

5)  $(4, -2), (16, 0)$   $\frac{1}{6}$

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

 $\frac{2}{17}$ 

7)  $(20, 7), (8, 0)$   $\frac{7}{12}$

8)  $(2, -20), (-5, 14)$

 $-\frac{34}{7}$ **Find the slope that is perpendicular to the pair of points.**

9)  $(17, 9), (-20, 9)$

0

10)  $(12, -16), (-2, -11)$

 $-\frac{5}{14}$ 

11)  $(18, 0), (-9, 17)$

 $-\frac{17}{27}$ 

12)  $(13, -19), (15, 14)$

 $\frac{33}{2}$ **Find the slope of each line.**

13)  $y = -5x - 2$

-5

14)  $y = -1$

0

$$15) y = \frac{1}{5}x - 1 \quad \frac{1}{5}$$

$$16) y = -\frac{4}{5}x - 1$$

$$-\frac{4}{5}$$

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

$$17) y = -x + 5$$

$$-1$$

$$18) y = \frac{1}{2}x + 2$$

$$\frac{1}{2}$$

$$19) y = -\frac{1}{3}x - 4 \quad -\frac{1}{3}$$

$$20) y = -\frac{1}{5}x + 2$$

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

$$21) x - 2y = 4 \quad \frac{1}{2}$$

$$22) x + 4y = 16$$

$$-\frac{1}{4}$$

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

$$23) y = x + 5$$

$$-1$$

$$24) y = 3x + 1$$

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

$$25) y = \frac{1}{3}x + 3$$

$$-3$$

$$26) y = -\frac{1}{5}x - 4$$

$$5$$

$$27) x + y = 5$$

$$1$$

$$28) 2x + y = 5 \quad \frac{1}{2}$$