

Name \_\_\_\_\_

Date \_\_\_\_\_

### Practice Set 4.3

#### Slope

(a) Find the slope of the line passing through each pair of points or state that the slope is undefined. (b) Then indicate whether the line through the point rises, falls, is horizontal, or is vertical.

1.  $(1, 4)$   $(2, 7)$

1a. \_\_\_\_\_

b. \_\_\_\_\_

2.  $(2, 4)$   $(3, 4)$

2a. \_\_\_\_\_

b. \_\_\_\_\_

3.  $(-3, 5)$   $(2, -8)$

3a. \_\_\_\_\_

b. \_\_\_\_\_

4.  $(1, 6)$   $(1, 5)$

4a. \_\_\_\_\_

b. \_\_\_\_\_

5.  $(2, 1)$   $(4, -3)$

5a. \_\_\_\_\_

b. \_\_\_\_\_

6.  $(0, 1)$   $(-3, -2)$

6a. \_\_\_\_\_

b. \_\_\_\_\_

7.  $(2, 8)$   $(2, -8)$

7a. \_\_\_\_\_

b. \_\_\_\_\_

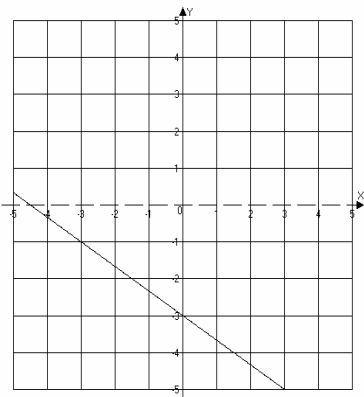
8.  $(4, 1)$   $(-5, 1)$

8a. \_\_\_\_\_

b. \_\_\_\_\_

Find the slope of each line or state that the line is undefined.

9.

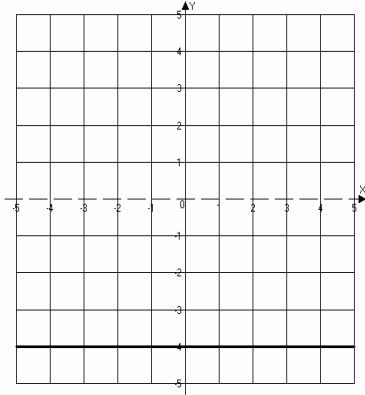


9. \_\_\_\_\_

Name \_\_\_\_\_

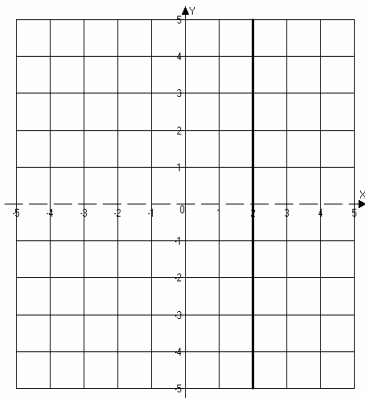
Date \_\_\_\_\_

10.



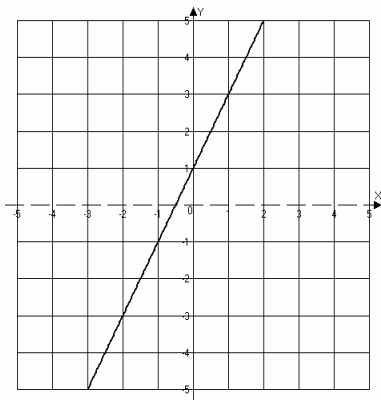
10. \_\_\_\_\_

11.



11. \_\_\_\_\_

12.



12. \_\_\_\_\_

Determine if the lines through each pair of points are parallel, perpendicular, or neither.

13.  $(3, -4)(2, 8)$  and  $(4, 6)(-8, 5)$

13. \_\_\_\_\_

14.  $(8, -1)(4, -3)$  and  $(-5, 5)(-3, 6)$

14. \_\_\_\_\_

15.  $(2, -1)(4, 5)$  and  $(-6, 1)(2, 7)$

15. \_\_\_\_\_