

Remediation

Name \_\_\_\_\_

Unit 2 Objective 5

Section \_\_\_\_\_

Determine the slope of a line given two points.

To find the slope of a line from two points, the formula for slope must be used.

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

For (-3,5) and (2,-6),  $m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-6 - 5}{2 - (-3)} = \frac{-11}{5}$ .

Use the formula for slope to calculate the slope for each set of points. Show all work.

1. (-4,-2) and (3,7)

2. (4,3) and (8,0)

3. (2,-7) and (-8,3)

4. (9,-12) and (-3,-6)

5. (-15,0) and (0,11)

6. (-1,-11) and (-3,-7)

7. (1,-5) and (-6,-10)

8. (-20,16) and (4,-8)

9. (5,2) and (-4,-4)

10. (3,-3) and (3,3)

11. (-36, 13) and (-8,-3)

12. (15,-4) and (-15,-4)