

## Homework: Defining Slope

### Slope of a Line

**Directions:** For each pair of points, calculate the slope of the line. Tell whether the function is increasing or decreasing.

1. (1, 2) and (3, 6)

2. (2, 6) and (4, 6)

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

4. (2, 5) and (1, 2)

5. (7, 4) and (3, 2)

6. (8, 8) and (-4, -4)

**Directions:** Find  $r$ .

7. Given  $m = -1/2$  and points (3, 2) and (r, 6).

$$-\frac{1}{2} = \frac{6-2}{r-3}$$

8. Given  $m = -1/5$  and points (0, 1) and (r, -6).