

Slope: Two-Point Formula**Example:**

Find the slope of a line passing through the points (4, 8) and (3, -2).

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

$$= \frac{-2 - 8}{3 - 4} = \frac{-10}{-1} = 10$$

Use two-point formula method to find the slope of a line passing through the given points.

1) (-4, 2) and (5, 6)

2) (5, -5) and (7, 3)

Slope = _____

Slope = _____

3) (2, 1) and (3, -10)

4) (3, 9) and (1, 8)

Slope = _____

Slope = _____

5) (7, 1) and (-2, 3)

6) (0, -2) and (-6, 4)

Slope = _____

Slope = _____

7) (-8, -5) and (-7, -4)

8) (9, 8) and (5, 1)

Slope = _____

Slope = _____