Name : _____

Slope: Two-Point Formula

Sheet 1

Example:

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

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

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

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

1) (−4, 2) and (5, 6)

Slope = _____

2) (5, −5) and (7, 3)

Slope = _____

3) (2, 1) and (3, −10)

Slope = _____

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

Slope = _____

5) (7, 1) and (−2, 3)

Slope = _____

6) (0, −2) and (−6, 4)

Slope = _____

7) (−8, −5) and (−7, −4)

Slope = _____

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

Slope = _____

LIVEWORKSHEETS