

Name : _____

Slope: Two-Point Formula

Sheet 1

Example:

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

$$\begin{aligned}\text{Slope} = m &= \frac{y_2 - y_1}{x_2 - x_1} \\ &= \frac{-2 - 8}{3 - 4} = \frac{-10}{-1} = 10\end{aligned}$$

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

1) (-4, 2) and (5

(7, 3)

Slope = _____

3) (2, 1) and (3,

(1, 8)

Slope = _____

5) (7, 1) and (-2

(-6, 4)

Slope = _____

Slope = _____

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

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

Slope = _____

Slope = _____

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