

Slope: Two-Point Formula

Example:

Find the slope of a line passing through the points (2, 1) and (6, 4).

$$\begin{aligned} \text{Slope} = m &= \frac{y_2 - y_1}{x_2 - x_1} \\ &= \frac{4 - 1}{6 - 2} = \frac{3}{4} \end{aligned}$$

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

1) (5, -2) and (4, -7) (-7, 6)

Slope = _____

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

Slope = _____

5) (6, 8) and (3, 8) (9, -5)

Slope = _____

Slope = _____

7) (8, 7) and (-1, 2)

8) (-4, 6) and (5, 7)

Slope = _____

Slope = _____

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