Finding Slope From Two Points

SLOPE FORMULA:

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

STEPS:

1. Identify each point as (x_1, y_1) and (x_2, y_2)

2. Substitute the values into the slope formula

3. Solve for m

4. Simplify your fraction (if necessary)

EXAMPLES!

$(4,3)$ and $(-2,-1)$

$x_1 = \underline{\quad}$ $y_1 = \underline{\quad}$

$x_2 = \underline{\quad}$ $y_2 = \underline{\quad}$

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

$$m = \underline{\quad\quad}$$

$$m = \underline{\quad\quad}$$

$$m = \underline{\quad\quad}$$

$(-1,4)$ and $(2,-2)$

$x_1 = \underline{\quad}$ $y_1 = \underline{\quad}$

$x_2 = \underline{\quad}$ $y_2 = \underline{\quad}$

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

$$m = \underline{\quad\quad}$$

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