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 = $ ___ $y_1 = $ ___

$x_2 = $ ___ $y_2 = $ ___

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

$$m = \frac{-}{-}$$

$$m = \text{———}$$

$$m = \text{———}$$

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

$x_1 = $ ___ $y_1 = $ ___

$x_2 = $ ___ $y_2 = $ ___

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

$$m = \frac{-}{-}$$

$$m = \text{———}$$

$$m = \text{———}$$