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)

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

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

$m =$ ———

$m =$ ———

(−1,4) and (2, − 2)

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

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

$m =$ ———

$m =$ ———