

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 $(-2, -1)$

$x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$

$x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$

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

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$

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

$x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$

$x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$

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

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$

$m = \underline{\hspace{2cm}}$