

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 $(-2, -1)$

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

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

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

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

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

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

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

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

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

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

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

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

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