

Formula to find slope:

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

Given two points on a line, find the slope of the line.

(5, 2) and (3, 4)

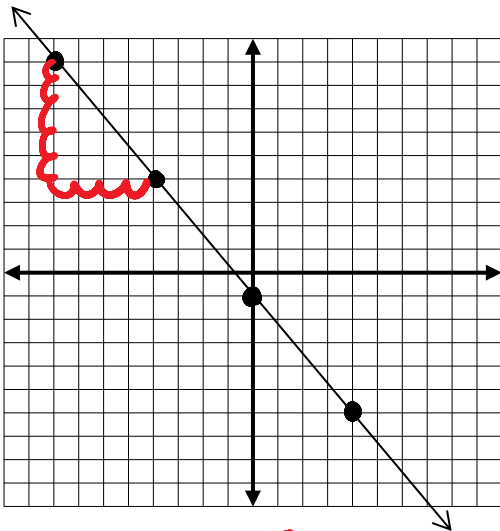
$$\frac{4-2}{3-5} = \frac{2}{-2} = -1$$

(-5, -5) and (5, -10)

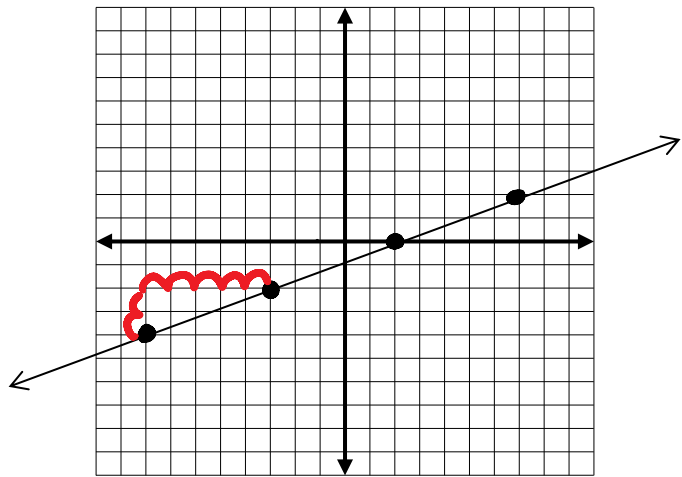
$$\frac{-10 - (-5)}{5 - (-5)} = \frac{-5}{10} = -\frac{1}{2}$$

FIND THE SLOPE!

$$\frac{\#}{\#} = \frac{\text{up}(+) / \text{down}(-)}{\text{right}(+) / \text{left}(-)}$$



$$-\frac{5}{4}$$



$$\frac{2}{5}$$