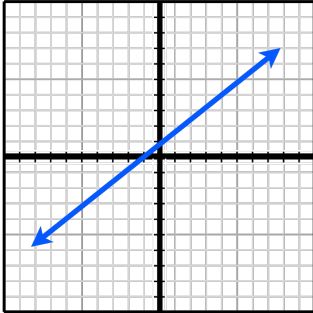


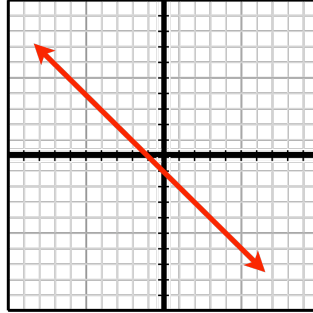
Slope of a Line

4 options

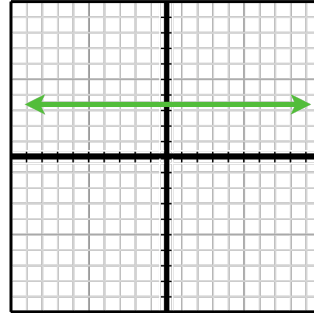
Positive



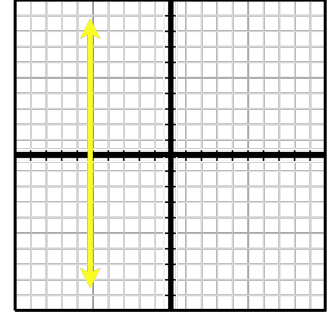
Negative



Zero

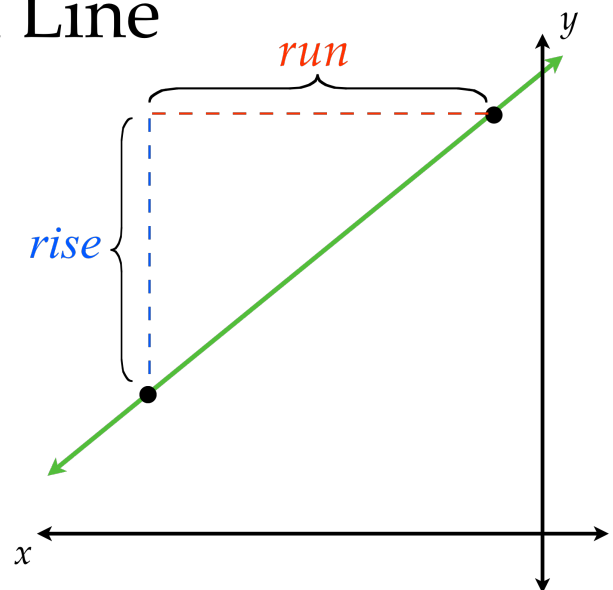


Undefined



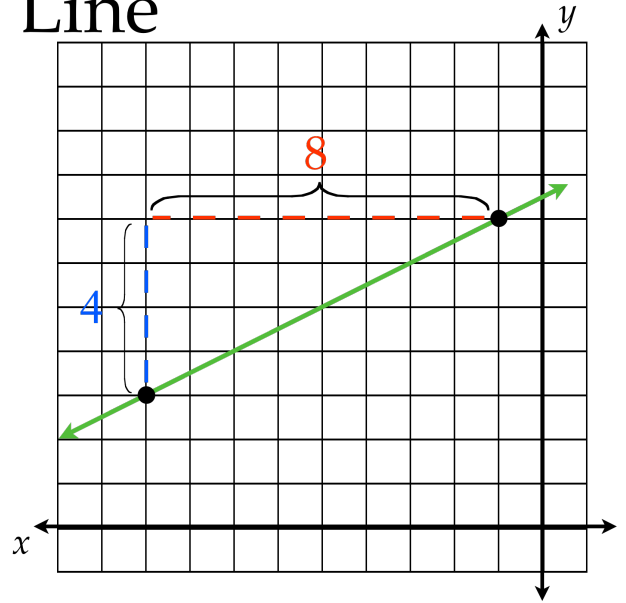
Slope of a Line

$$\text{Slope} = \frac{\text{vertical change}}{\text{change in } y} \div \frac{\text{change in } x}{\text{horizontal change}}$$



Slope of a Line

$$m = \frac{\text{rise}}{\text{run}}$$

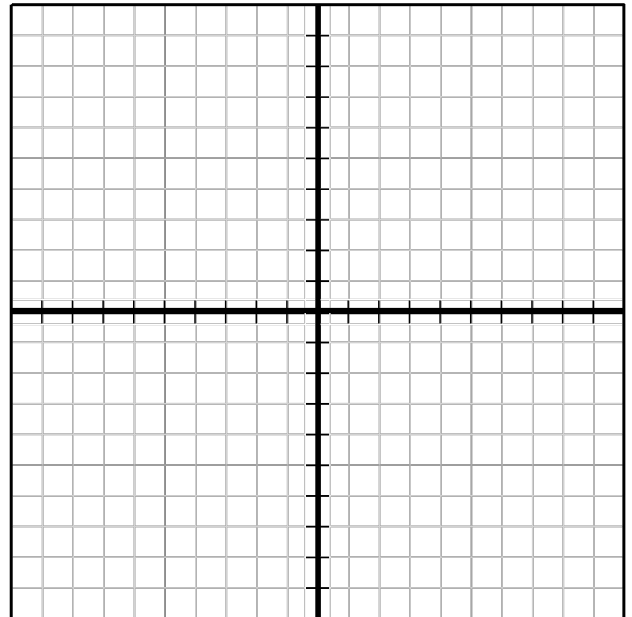


Slope of a Line

when given two points...

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

$$(-7, 3) \quad (8, -4)$$



Find the **slope** of the line containing the following **two points**

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

$$(2, -5) \quad (2, 2) \qquad (1, 2) \quad (6, 1)$$