7-1 Slope
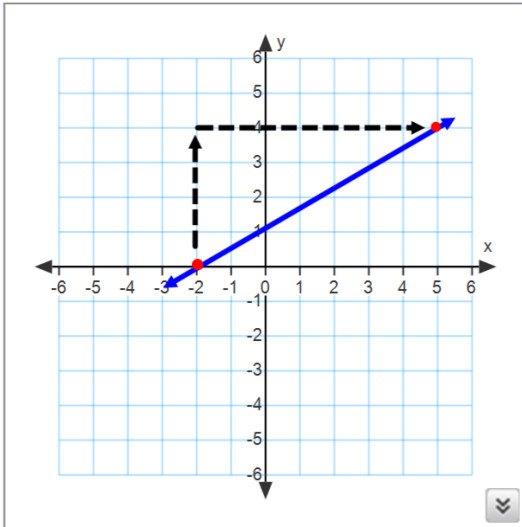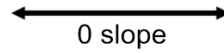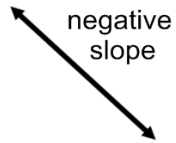
negative slope

positive slope

0 slope

undefined slope

I. Look to see where the line crosses two lines on the coordinate.

2. Follow the slope until it crosses another set of lines

3. $\dfrac{\text{Rise}}{\text{Run}} = \dfrac{4}{7}$

Determine the slope of each line.

The line through points at (2, 5) and (6, 9).

$$x_1 \; y_1 \qquad x_2 \; y_2$$
$$(2, 5) \text{ and } (6, 9)$$

To find slope (m)

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

The line through points at (3, -2) and (-4, 7).