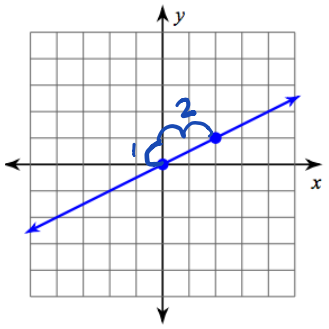
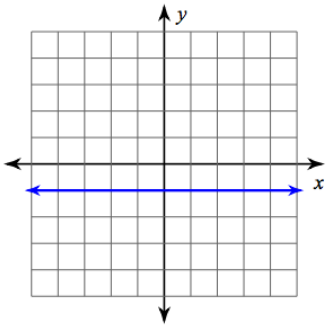
Independent Practice

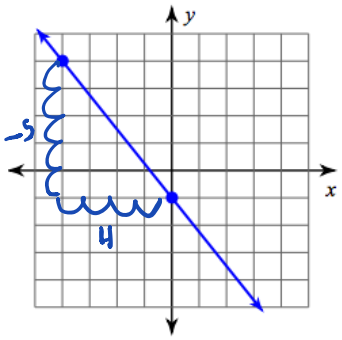
Find the slope from the following graphs



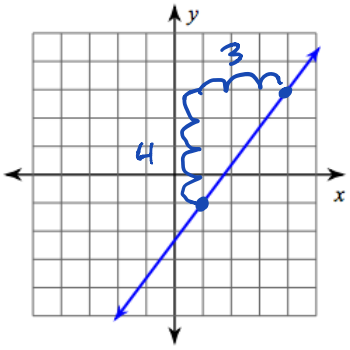
$m = \frac{1}{2}$



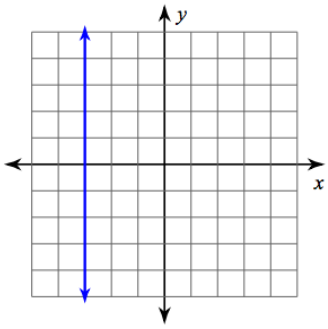
$m = 0$



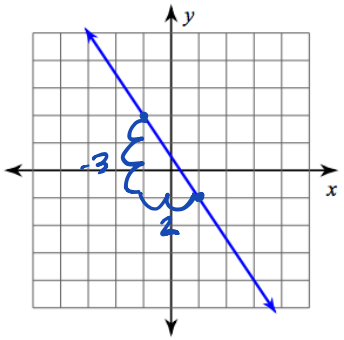
$m = \frac{-5}{4}$



$m = \frac{4}{3}$



m = Undefined



$m = \frac{-3}{2}$

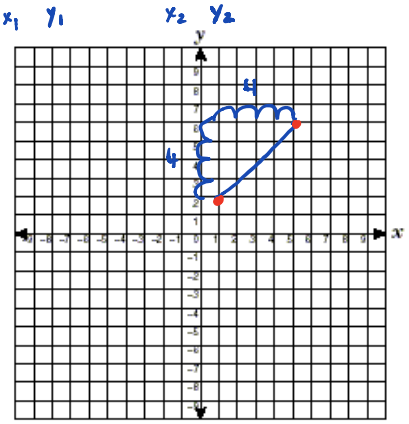
Find the slope of the line that contains (1, 2) and (5, 6) using the slope formula

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

3. $m = \frac{(6) - (2)}{(5) - (1)}$

4. $m = \frac{4}{4} \rightarrow m = 1$

x_1 y_1 x_2 y_2



Check your work using graph!

$m = \frac{4}{4}$

$m = 1$

Find the slope of the line that contains (-6, 1) and (3, -5) using the slope formula

x_1 y_1 x_2 y_2

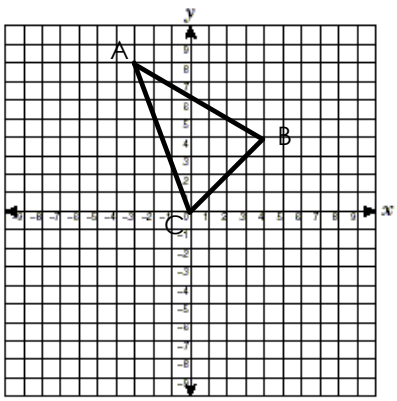
$m = \frac{y_2 - y_1}{x_2 - x_1}$

$m = \frac{(-5) - (1)}{(3) - (-6)} = \frac{-6}{9} = \boxed{-\frac{2}{3}}$

Check your work using graph!

m =

Triangle ABC is pictured below. Find the slope of each side of triangle ABC.



Slope of AB = $\boxed{-\frac{4}{7}}$

Slope of AC = $\boxed{-\frac{8}{3}}$

Slope of BC = $\boxed{1}$

Triangle ABC has points A(2,3), B(-4,7) and C (-3,-8). Find the slope of each side of the triangle.

Slope of AB = $\boxed{-\frac{2}{3}}$

Slope of AC = $\boxed{\frac{11}{5}}$

Slope of BC = $\boxed{-15}$