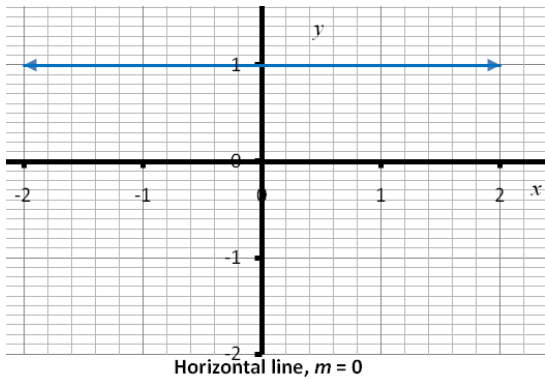


## Calculate the Slope of a Horizontal Line, $m = 0$



Choose 2 points on the line:  $(-1, 1)$  and  $(2, 1)$

**Find the slope graphically:**

1. Rise is 0, Run is 3.
2.  $\frac{\text{rise}}{\text{run}} = \frac{0}{3}$
3. Simplify. Slope = 0

**Find the slope formulaically:**

Remember, the slope formula is:

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

1. Label  $x_1, y_1, x_2, y_2$ :

$$\begin{array}{cc} x_1, y_1 & x_2, y_2 \\ (-1, 1) & (2, 1) \end{array}$$

2. Plug the numbers into the formula:  $m = \frac{(1) - (1)}{(2) - (-1)}$

3. Simplify:  $m = \frac{0}{3} = 0$  . Slope = 0