



In a line, the rate of change is called slope. Anywhere on that line, the slope will be the same. In a line slope is constant.

$$m = \text{slope} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{\text{change in } y}{\text{change in } x} = \frac{\Delta y}{\Delta x}$$

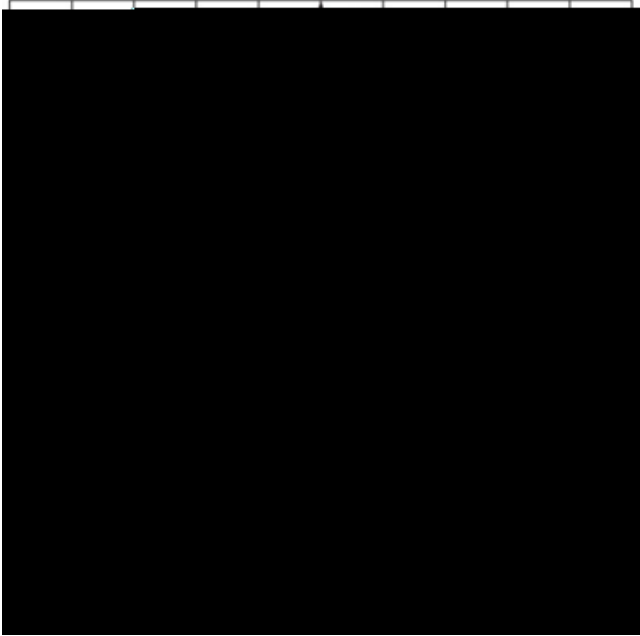
We can find the rate of change between any two points on any function. Because it's not a constant rate, we don't call it slope. We call it the same way...

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

Find the rate of change.



Find the rate of change  $r_1$



Find the rate of change

