Average rate of change:

The average rate of change of function f over the interval (a, b) is given by this equation:

$$Average\ rate\ of\ change = \frac{f(b) - f(a)}{b - a}$$

- Average rate of change is a measure of how much a function changes per unit, on average, over that interval.
- Average rate of change is just the slope of the straight line connecting the interval's endpoints on the graph of the function.

Average Rate of Change
between point *a* and point *b*

$$m = \frac{\text{Change in y}}{\text{Change in } x}$$

$$m = \frac{2}{4}$$

$$m = 0.5$$