Average rate of change

- The average rate of change of f from x_1 to x_2 is $$\frac{\Delta y}{\Delta x} = \frac{f(x_2) - f(x_1)}{x_2 - x_1}$$ if $x_1 \neq x_2$.

This is also called the difference quotient. Another version is $$\frac{f(x+h) - f(x)}{h}$$

where h is the amount of change in x