

Math 1314 – College Algebra
Section 3.3 Rates of Change and Behavior of Graphs

- Let f be a function defined on the interval $[a, b]$. The average rate of change of f over $[a, b]$ is defined as:

$$\frac{\Delta y}{\Delta x} = \frac{f(b) - f(a)}{b - a}$$

- Does the formula above seem familiar? What can we conclude?

Ex: Compute the average rate of change of the function $h(x) = \frac{5}{x+4}$ on $[1, 6]$.