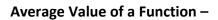
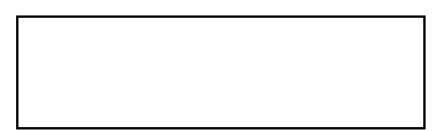
## 11.1 The Average Value Theorem





Find the average value of the function  $f(x) = x^3 - 4x^2 + 3x + 4$  on the interval [1, 4].

Find the average value of  $f(x) = \frac{\ln x}{x}$  on the interval [1, 100]

Find the average value of  $f(x) = \frac{1}{3x}$  over the interval  $\left[\frac{1}{2}, 2\right]$