

Integration	
Riemann Sum	$\sum_{i=1}^n f(c_i) \Delta x_i, \quad \text{where } x_{i-1} \leq c_i \leq x_i$ $\ \Delta\ = \Delta x = \frac{b-a}{n}$

Integration	
Definition of a Definite Integral Area under curve	$\lim_{\ \Delta\ \rightarrow 0} \sum_{i=1}^n f(c_i) \Delta x_i = \int_a^b f(x) dx$