Name:	Date:
AP Calculus AB	Ms. Loughran

## Fundamental Theorem of Calculus Part I:

If a function f is continuous on an interval [a,b], then it follows that  $\int_a^b f(x)dx = F(b) - F(a)$  where F is a function such that F'(x) = f(x) (F is any antiderivative of f).