

<b>Integration</b>	
<b>The Fundamental Theorem of Calculus</b>	$\int_a^b f(x) dx = F(b) - F(a)$
<b>The Second Fundamental Theorem of Calculus</b>	$\frac{d}{dx} \int_a^x f(t) dt = f(x)$ $\frac{d}{dx} \int_a^{g(x)} f(t) dt = f(g(x))g'(x)$ $\frac{d}{dx} \int_{g(x)}^{h(x)} f(t) dt = f(h(x))h'(x) - f(g(x))g'(x)$