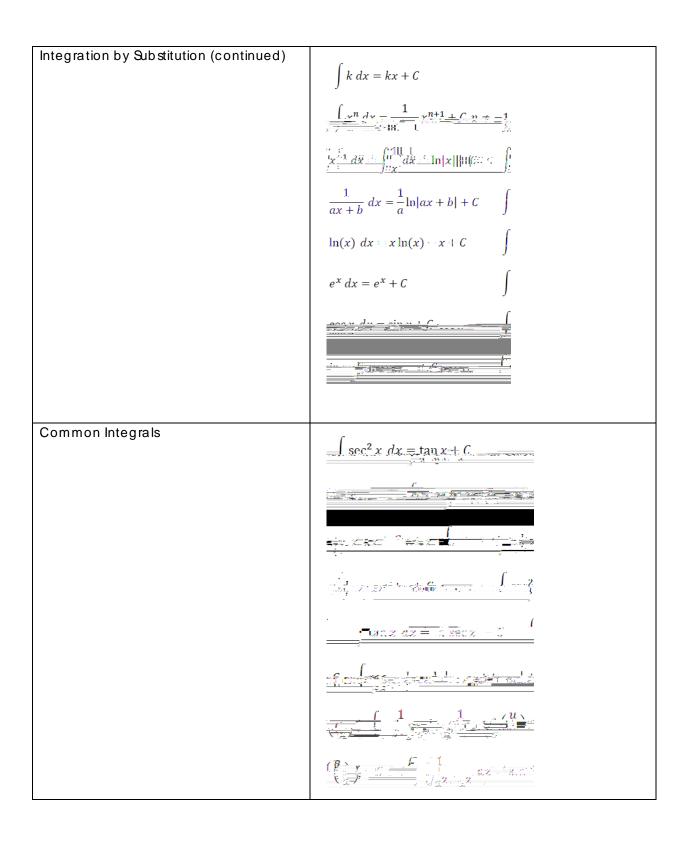


CALCULUS A REVIEW

Derivative Definition	$\frac{d}{dx}(f(x)) = f'(x) = \lim_{x \to a} \frac{f(x+h) - f(x)}{f(x+h) - f(x)}$			
Basic Properties of Derivatives				
Product Rule				
Quotient Rule	$\frac{d}{dx}\left(\frac{f(x)}{a(x)}\right) = \frac{f'(x)g(x) - f(x)g'(x)}{[a(x)]^2}$			
Power Rule	$\frac{d}{dx}(x^n) = nx^{n-1}$			
Chain Rule	$\frac{d}{ds}\left(f\left(g(x)\right)\right) = f'\left(g(x)\right)g'(x).$			
Limit Properties				



For more information, make an appointment for your course with one of our <u>content tutors</u>. All appointments are available in-person at the Student Success Center, located in the Library, or online.