

Name \_\_\_\_\_

Date \_\_\_\_\_ Pd \_\_\_\_\_

AP Calculus AB: Quarter 3 Gateway Exam (5 min)  
Passing Score = 100% Correct

$\int \frac{du}{a^2 + u^2} =$	$\int a^u du =$
$\int \csc(u) du =$	$\int \sec(u) \tan(u) du =$
$\int \sec(u) du =$	$\int du$
$\int \frac{du}{u\sqrt{u^2 - a^2}} =$	$\int \sec^2(u) du =$
$\int \csc^2(u) du =$	$\int [f(u) \pm g(u)] du =$
$\int \frac{du}{\sqrt{a^2 - u^2}} =$	$\int \cot(u) du =$
$\int kf(u) du =$	$\int \csc(u) \cot(u) du =$
$\int du$	$\int \cos(u) du =$
$\int e^u du =$	$\int \sin(u) du =$
$\int u^n du =$	$\int \tan(u) du =$