

Name _____

Date _____ Pd _____

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

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