

Integral Formula Quiz

Name \_\_\_\_\_

First Fundamental Theorem:

First Fundamental Theorem (Chain Rule Version):

Second Fundamental Theorem:

$$\int \csc u \cot u \, du =$$

$$\int \frac{du}{u} =$$

$$\int \frac{du}{\sqrt{1-u^2}} =$$

$$\int a^u \, du =$$

$$\int \sin u \, du =$$

$$\int \cos u \, du =$$

$$\int \sec^2 u \, du =$$

$$\int \cot u \, du =$$

$$\int \sin^2 u \, du =$$

$$\int \frac{du}{u\sqrt{u^2-1}} =$$

$$\int \sec u \, du =$$

$$\int \csc u \, du =$$

$$\int \tan u \, du =$$

$$\int \csc^2 u \, du =$$

$$\int \sec u \tan u \, du =$$

$$\int \cos^2 u \, du =$$

$$\int e^u \, du =$$

$$\int \frac{du}{1+u^2} =$$

$$\int u^n \, du =$$