

## 5.2 Logs + Integration

$$\int \frac{1}{u} du = \ln|u| + C$$

WU:  
circled  
problems

Trig:

$$\int \sin u du = -\cos u + C$$

$$\int \cos u du = \sin u + C$$

$$* \int \tan u du = -\ln|\cos u| + C$$

$$* \int \cot u du = \ln|\sin u| + C$$

$$* \int \sec u du = \ln|\sec u + \tan u| + C$$

$$* \int \csc u du = -\ln|\csc u + \cot u| + C$$

$$\frac{\cos u}{\sin u}$$