$$\alpha \neq -1$$

$$\int x^{lpha} \, dx$$

$$\int x^{\alpha} dx =$$

$$rac{1}{lpha+1}x^{lpha+1}+C$$

$$\int \frac{1}{x} dx$$

$$\int \frac{1}{x} \, dx = 0$$

$$\log |x| + C$$

# $\int \sin x \, dx$

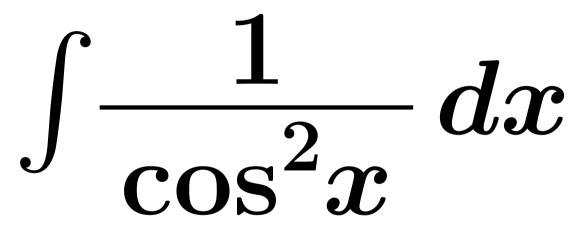
$$\int \sin x \, dx =$$

### $-\cos x + C$

 $\int \cos x \, dx$ 

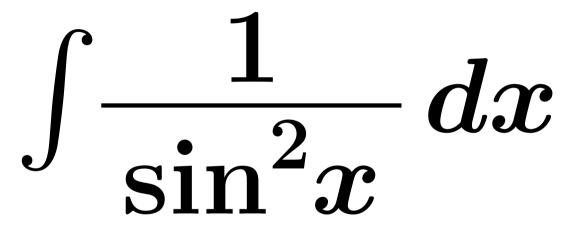
$$\int \cos x \, dx =$$

## $\sin x + C$



$$\int \frac{1}{\cos^2 x} \, dx =$$

### $\tan x + C$



$$\int \frac{1}{\sin^2 x} \, dx =$$

 $\tan x$ 

$$\int e^x dx$$

$$\int e^x \, dx =$$

$$e^x + C$$

$$\int a^x dx$$

$$\frac{\int a^x dx = \mathbf{a}^x}{\log a} + C$$