

Table of Integrals
$\int x^n \, dx = \frac{x^{n+1}}{n+1} + C$
$\int \frac{1}{x} \, dx = \ln x + C$
$\int e^{kx} \, dx = \frac{e^{kx}}{k} + C$
$\int \sin kx \, dx = -\frac{\cos kx}{k} + C$
$\int \cos kx \, dx = \frac{\sin kx}{k} + C$
$\int \sec^2 kx \, dx = \frac{\tan kx}{k} + C$
$\int \csc x \cot x \, dx = -\csc x + C$
$\int \sec x \tan x \, dx = \sec x + C$
$\int \csc^2 x \, dx = -\cot x + C$