

Indefinite Integral Table

$\int c * f(x) dx = c * \int f(x) dx$	$\int [g(x) + f(x)] dx = \int g(x) dx + \int f(x) dx$
$\int x^n dx = \frac{x^{n+1}}{n+1} + C \quad (n \neq -1)$	$\int \frac{1}{x} dx = \ln(x) + C$
$\int e^x dx = e^x + C$	$\int a^x dx = \frac{a^x}{\ln(a)} + C$
$\int \sin(x) dx = -\cos(x) + C$	$\int \cos(x) dx = \sin(x) + C$
$\int \sec^2(x) dx = \tan(x) + C$	$\int \csc^2(x) dx = -\cot(x) + C$
$\int \sec(x) * \tan(x) dx = \sec(x) + C$	$\int \csc(x) * \cot(x) dx = -\csc(x) + C$
$\int \frac{1}{x^2 + 1} dx = \tan^{-1}(x) + C$	$\int \frac{1}{\sqrt{1 - x^2}} dx = \sin^{-1}(x) + C$