$\int \text{constant}\, dx$	$\int x^n\, dx$
$\int \frac{1}{x}\, dx$	$\int \sin x\, dx$
$\int \cos x\, dx$	$\int \sec^2 x\, dx$
$\int \sec x \tan x\, dx$	$\int \csc^2 x\, dx$
$\int \csc x \cot x\, dx$	$\int \tan x\, dx$

$\frac{x^{n+1}}{n+1} + C; \quad n \neq -1$	constant $\cdot\, x + C$
$-\cos x + C$	$\ln \lvert x \rvert + C$
$\tan x + C$	$\sin x + C$
$-\cot x + C$	$\sec x + C$
$\ln \lvert \sec x \rvert + C$	$-\csc x + C$

$\int e^x \, dx$	$\int a^x \, dx$
$\int \ln x \, dx$	$\int \frac{1}{1+x^2} \, dx$
$\int \frac{1}{\sqrt{1-x^2}} \, dx$	$\int \frac{1}{x\sqrt{x^2-1}} \, dx$
$\int u\,v' \, dx$	$\int_a^b u\,v' \, dx$
$\int uv \, dx \neq$	$\int \frac{u}{v} \, dx \neq$

$\frac{a^x}{\ln a} + C$	$e^x + C$
$\arctan x + C$	$x \ln x - x + C$
$\sec^{-1} \lvert x \rvert + C$	$\arcsin x + C$
$(uv)\Big\rvert_a^b - \int_a^b vu' \, dx$	$uv - \int vu' \, dx$
$\int \frac{u}{v} \, dx \neq \frac{\int u \, dx}{\int v \, dx}$	$\int uv \, dx \neq \int u \, dx \cdot \int v \, dx$