

$\int 3x dx$	$e^x + c$
$\int x^5 dx$	$\ln x + c$
$\int dx$	$\frac{x^{n+1}}{n+1}$
$\int \frac{dx}{x}$	$\frac{a^x}{\ln a} + c$
$\int e^x dx$	$\operatorname{arccot} x + c$
$\int (3x + 5x^2) dx$	$\int f(x) dx + \int g(x) dx$
$\int \frac{dx}{1+x^2}$	$k \int dx$
$\int 7^x dx$	$x + c$