

$\frac{\partial \{x^n\}}{\partial x}$	$n \cdot x^{n-1}$
$\frac{\partial \{e^{kx}\}}{\partial x}$	ke^{kx}
$\frac{\partial \{\ln(kx)\}}{\partial x}$	$\frac{1}{x}$
$\frac{\partial \{\log_a(kx)\}}{\partial x}$	$\frac{1}{x \ln a}$
$\frac{\partial \{a^x\}}{\partial x}$	$a^x \ln a$
$\frac{\partial \{\sin kx\}}{\partial x}$	$k \cos kx$
$\frac{\partial \{\cos kx\}}{\partial x}$	$-k \sin kx$
$\frac{\partial \{\tan kx\}}{\partial x}$	$\frac{k}{\cos^2 kx}$
$n \neq -1; \int kx^n dx$	$\frac{1}{n+1} \cdot kx^{n+1} + c$
$\int \frac{k}{x} dx$	$k \ln x + c$
$\int \cos kx dx$	$\frac{1}{k} \sin kx + c$
$\int \sin kx dx$	$-\frac{1}{k} \cos kx + c$
$\int \tan kx dx$	$-\frac{1}{k} \ln \cos kx + c$
$\int e^{kx} dx$	$\frac{1}{k} e^{kx} + c$
$\int a^{kx} dx$	$\frac{a^{kx}}{k \ln a} + c (a > 0)$
$\int \frac{1}{\cos^2(kx)} dx$	$\frac{\tan kx}{k}$
$\int \frac{1}{\sin^2(kx)} dx$	$-\frac{1}{k \tan kx}$
$\int \ln kx dx$	$x \ln kx - x$
$\int \frac{dx}{\sqrt{x^2 - k^2}}$	$\cosh^{-1} \left(\frac{x}{k} \right)$
$\int \frac{dx}{\sqrt{x^2 + k^2}}$	$\sinh^{-1} \left(\frac{x}{k} \right)$
$\int \frac{dx}{\sqrt{k^2 - x^2}}$	$\sin^{-1} \left(\frac{x}{k} \right)$
$\int \frac{dx}{x^2 + k^2}$	$\frac{1}{k} \tan^{-1} \left(\frac{x}{k} \right)$