$\frac{d}{dx}$ constant	$\frac{d}{dx}\, x^n$
$\frac{d}{dx}\, \sin x$	$\frac{d}{dx}\, \cos x$
$\frac{d}{dx}\, \tan x$	$\frac{d}{dx}\, \csc x$
$\frac{d}{dx}\, \sec x$	$\frac{d}{dx}\, \cot x$
$\frac{d}{dx}\, a^x$	$\frac{d}{dx}\, e^x$

nx^{n-1}	0
$-\sin x$	$\cos x$
$-\csc x \cot x$	$\sec^2 x$
$-\csc^2 x$	$\sec x \tan x$
e^x	$a^x \ln a$

$\frac{d}{dx} \log_b x$	$\frac{d}{dx} \ln x$
$\frac{d}{dx} \sin^{-1} x$	$\frac{d}{dx} \cos^{-1} x$
$\frac{d}{dx} \tan^{-1} x$	$\frac{d}{dx} \csc^{-1} x$
$\frac{d}{dx} \sec^{-1} x$	$\frac{d}{dx} \cot^{-1} x$
$\frac{d}{dx} (f g)$	$\frac{d}{dx} \left(\frac{f}{g}\right)$

$\frac{1}{x}$	$\frac{1}{x \ln b}$
$\frac{-1}{\sqrt{1-x^2}}$	$\frac{1}{\sqrt{1-x^2}}$
$\frac{-1}{\lvert x\rvert\sqrt{x^2-1}}$	$\frac{1}{1+x^2}$
$\frac{-1}{1+x^2}$	$\frac{1}{\lvert x\rvert\sqrt{x^2-1}}$
$\frac{gf'-g'f}{g^2}$	$fg'+f'g$