

$D(k) = 0$	$D(x^n) = nx^{n-1}$
$D(e^x) = e^x$	$D(\ln x) = \frac{1}{x}$
$D(\sin(x)) = \cos(x)$	$D(\cos(x)) = -\sin(x)$
$D(\arcsin(x)) = \frac{1}{\sqrt{1-x^2}}$	$D(\arccos(x)) = -\frac{1}{\sqrt{1-x^2}}$
$D(\tan(x)) = \frac{1}{\cos^2(x)}$	$D(\arctan(x)) = \frac{1}{1+x^2}$

$$D(fg) = f'g + fg'$$

$$D\left(\frac{f}{g}\right) = \frac{f'g + fg'}{g^2}$$

$$D(f^g) = D(e^{g \cdot \ln(f)}) = e^g \cdot \ln(f) \cdot D(g \cdot \ln(f))$$