Función	**Derivada**	**Función**	**Derivada**
$y = C$	$y' = 0$		
$y = x$	$y' = 1$		
$y = \sqrt{x}$	$y' = \frac{1}{2\sqrt{x}}$	$y = \sqrt{f(x)}$	$y' = \frac{f'(x)}{2\sqrt{f(x)}}$
$y = x^n$	$y' = n \cdot x^{n-1}$	$y = f(x)^n$	$y' = n \cdot (f(x))^{n-1} f'(x)$
$y = a^x$	$y' = a^x \ln a$	$y = a^{f(x)}$	$y' = a^{f(x)} \ln a \cdot f'(x)$
$y = e^x$	$y' = e^x$	$y = e^{f(x)}$	$y' = e^{f(x)} \cdot f'(x)$
$y = \log_a x$	$y' = \frac{1}{x \ln a}$	$y = \log_a f(x)$	$y' = \frac{f'(x)}{f(x) \ln a}$
$y = \ln x$	$y' = \frac{1}{x}$	$y = \ln f(x)$	$y' = \frac{f'(x)}{f(x)}$
$y = \text{sen } x$	$y' = \cos x$	$y = \text{sen } f(x)$	$y' = \cos f(x) \cdot f'(x)$
$y = \cos x$	$y' = -\text{sen } x$	$y = \cos f(x)$	$y' = -\text{sen } f(x) \cdot f'(x)$
$y = \text{tg } x$	$y' = 1 + tg^2 x = \frac{1}{\cos^2 x} = \sec^2 x$	$y = \text{tg } f(x)$	$y' = (1 + tg^2 f(x)) \cdot f'(x) = \frac{f'(x)}{\cos^2 f(x)} = \sec^2 f(x) \cdot f'(x)$
$y = \text{cotg } x$	$y' = -(1 + \text{cotg}^2 x) = -\frac{1}{sen^2 x} = -\text{cosec}^2 x$	$y = \text{cotg f}(x)$	$y' = -(1 + \text{cotg}^2 f(x)) \cdot f'(x) = -\frac{f'(x)}{sen^2 f(x)} = -\text{cosec}^2 f(x) \cdot f'(x)$

$y = \sec x$	$y' = \sec x \cdot \operatorname{tg} x$	$y = \sec f(x)$	$y' = \sec f(x) \cdot \operatorname{tg} f(x) \cdot f'(x)$
$y = \operatorname{cosec} x$	$y' = -\operatorname{cosec} x \cdot \operatorname{cotg} x$	$y = \operatorname{cosec} f(x)$	$y' = -\operatorname{cosec} f(x) \cdot \operatorname{cotg} f(x) \cdot f'(x)$
$y = \operatorname{arcsen} x$	$y' = \frac{1}{\sqrt{1-x^2}}$	$y = \operatorname{arcsen} f(x)$	$y' = \frac{f'(x)}{\sqrt{1-(f(x))^2}}$
$y = \arccos x$	$y' = \frac{-1}{\sqrt{1-x^2}}$	$y = \arccos f(x)$	$y' = \frac{-f'(x)}{\sqrt{1-(f(x))^2}}$
$y = \operatorname{arctg} x$	$y' = \frac{1}{1+x^2}$	$y = \operatorname{arctg} f(x)$	$y' = \frac{f'(x)}{1+(f(x))^2}$
$y = arc \sec x$	$y' = \frac{1}{x\sqrt{x^2-1}}$	$y = arc \sec f(x)$	$y' = \frac{f'(x)}{f(x)\sqrt{(f(x))^2-1}}$
$y = \operatorname{arccosec} x$	$y' = \frac{-1}{x\sqrt{x^2-1}}$	$y = \operatorname{arccosec} f(x)$	$y' = \frac{-f'(x)}{f(x)\sqrt{(f(x))^2-1}}$
$y = \operatorname{arc\,cotg} x$	$y' = \frac{-1}{1+x^2}$	$y = \operatorname{arc\,cotg} f(x)$	$y' = \frac{-f'(x)}{1+(f(x))^2}$

$y = c \cdot f(x)$	$y' = c \cdot f'(x)$
$y = f(x) \pm g(x)$	$y' = f'(x) \pm g'(x)$
$y = f(x) \cdot g(x)$	$y' = f'(x) \cdot g(x) + f(x) \cdot g'(x)$
$y = \frac{f(x)}{g(x)}$	$y' = \frac{f'(x) \cdot g(x) - f(x) \cdot g'(x)}{(g(x))^2}$