Tabla de derivadas inmediatas

Función	Derivada	Ejemplo
$f(x) = k$	$f'(x) = 0$	$f(x) = 10 \rightarrow f'(x) = 0$
$f(x) = k \cdot x$	$f'(x) = k$	$f(x) = 10x \rightarrow f'(x) = 10$
$f(x) = x^n$	$f'(x) = n \cdot x^{n-1}$	$f(x) = x^3 \rightarrow f'(x) = 3x^2$
$f(x) = \sqrt{x}$	$f'(x) = \frac{1}{2\sqrt{x}}$	$f(x) = \sqrt{x} \rightarrow f'(x) = \frac{1}{2\sqrt{x}}$
$f(x) = e^x$	$f'(x) = e^x$	$f(x) = e^x \rightarrow f'(x) = e^x$
$f(x) = a^x$	$f'(x) = a^x \cdot ln\,(a)$	$f(x) = 4^x \rightarrow f'(x) = 4^x \cdot ln\,(4)$
$f(x) = ln\,(x)$	$f'(x) = \frac{1}{x}$	$f(x) = ln\,(x) \rightarrow f'(x) = \frac{1}{x}$
$f(x) = log_a(x)$	$f'(x) = \frac{1}{x \cdot ln\,(a)}$	$f(x) = log_5(x) \rightarrow f'(x) = \frac{1}{x \cdot ln\,(5)}$
$f(x) = sen(x)$	$f'(x) = cos(x)$	$f(x) = sen(x) \rightarrow f'(x) = cos(x)$
$f(x) = cos(x)$	$f'(x) = -sen(x)$	$f(x) = cos(x) \rightarrow f'(x) = -sen(x)$
$f(x) = tan(x)$	$f'(x) = sec^2(x)$	$f(x) = tan(x) \rightarrow f'(x) = sec^2(x)$