Tabla de derivadas completa

Algebra de derivadas	
$f(x) = k \cdot g(x)$	$f'(x) = k \cdot g'(x)$
$f(x) = x^n$	$f'(x) = n \cdot x^{n-1}$
$f(x) = g(x) + h(x)$	$f'(x) = g'(x) + h'(x)$
$f(x) = g(x) - h(x)$	$f'(x) = g'(x) - h'(x)$
$f(x) = g(x) \cdot h(x)$	$f'(x) = g'(x) \cdot h(x) + g(x) \cdot h'(x)$
$f(x) = \frac{g(x)}{h(x)}$	$f'(x) = \frac{g'(x) \cdot h(x) - g(x) \cdot h'(x)}{\left(h'(x)\right)^2}$
$f(x) = g(h(x))$	$f'(x) = h'(x) \cdot g'(h(x))$

Derivada de las funciones exponenciales y logarítmicas	
$f(x) = e^x$	$f'(x) = e^x$
$f(x) = a^x$	$f'(x) = a^x \cdot ln\,(a)$
$f(x) = ln\ \|x\|$	$f'(x) = \frac{1}{x}$
$f(x) = log_a(x)$	$f'(x) = \frac{1}{x \cdot ln\,(a)}$

Derivada de las funciones trigonométricas	
$f(x) = sen(x)$	$f'(x) = cos(x)$
$f(x) = cos(x)$	$f'(x) = -sen(x)$
$f(x) = tan(x)$	$f'(x) = sec^2(x)$
$f(x) = csc(x)$	$f'(x) = -csc(x) \cdot cot(x)$
$f(x) = sec(x)$	$f'(x) = sec(x) \cdot tan(x)$
$f(x) = cot(x)$	$f'(x) = -csc^2(x)$
Derivada de las funciones trigonométricas inversas	
$f(x) = arcsen(x)$	$f'(x) = \frac{1}{\sqrt{1-x^2}}$
$f(x) = arccos(x)$	$f'(x) = -\frac{1}{\sqrt{1-x^2}}$
$f(x) = arctan(x)$	$f'(x) = \frac{1}{1+x^2}$
$f(x) = arccsc(x)$	$f'(x) = -\frac{1}{x \cdot \sqrt{x^2-1}}$
$f(x) = arcsec(x)$	$f'(x) = \frac{1}{x \cdot \sqrt{x^2-1}}$
$f(x) = arccot(x)$	$f'(x) = -\frac{1}{1+x^2}$

Derivada de las funciones hiperbólicas	
$f(x) = senh(x)$	$f'(x) = cosh(x)$
$f(x) = cosh(x)$	$f'(x) = senh(x)$
$f(x) = tanh(x)$	$f'(x) = sech^2(x)$
$f(x) = csch(x)$	$f'(x) = -cosh(x) \cdot coth(x)$
$f(x) = sech(x)$	$f'(x) = -sech(x) \cdot tanh(x)$
$f(x) = coth(x)$	$f'(x) = -csch^2(x)$
Derivada de las funciones hiperbólicas inversas	
$f(x) = arcsenh(x)$	$f'(x) = \frac{1}{\sqrt{1+x^2}}$
$f(x) = arccosh(x)$	$f'(x) = \frac{1}{\sqrt{x^2-1}}$
$f(x) = arctanh(x)$	$f'(x) = \frac{1}{1-x^2}$
$f(x) = arccsch(x)$	$f'(x) = -\frac{1}{\lvert x\rvert \cdot \sqrt{x^2+1}}$
$f(x) = arcsech(x)$	$f'(x) = -\frac{1}{x \cdot \sqrt{1-x^2}}$
$f(x) = arccoth(x)$	$f'(x) = \frac{1}{1-x^2}$