

ΣΥΝΑΡΤΗΣΗ	ΠΑΡΑΓΩΓΟΣ
$\sin x$	$\cos x$
$\cos x$	$-\sin x$
$\tan x = \sin x / \cos x$	$1 / \cos^2 x$
$\cot x = \cos x / \sin x$	$-1 / \sin^2 x$
$\sec x = 1 / \cos x$	$\sec x \tan x$
$\csc x = 1 / \sin x$	$-\csc x \cot x$
$\arcsin x = \sin^{-1} x$	$\frac{1}{\sqrt{1-x^2}}$
$\arccos x = \cos^{-1} x$	$-\frac{1}{\sqrt{1-x^2}}$
$\arctan x = \tan^{-1} x$	$\frac{1}{1+x^2}$
$\text{arc cot } x = \cot^{-1} x$	$-\frac{1}{1+x^2}$
$\text{arc sec } x = \sec^{-1} x$	$\frac{1}{x\sqrt{x^2-1}}$
$\text{arc csc } x = \csc^{-1} x$	$-\frac{1}{x\sqrt{x^2-1}}$
$\sinh x = \frac{e^x - e^{-x}}{2}$	$\cosh x$
$\cosh x = \frac{e^x + e^{-x}}{2}$	$\sinh x$
$\tanh x = \sinh x / \cosh x = \frac{e^x - e^{-x}}{e^x + e^{-x}}$	$\frac{1}{\cosh^2 x}$
$\text{coth } x = \cosh x / \sinh x = \frac{e^x + e^{-x}}{e^x - e^{-x}}$	$-\frac{1}{\sinh^2 x}$
$\sec hx = 1 / \cosh x = \frac{2}{e^x + e^{-x}}$	$-\sec hx \tanh x$
$\csc hx = 1 / \sinh x = \frac{2}{e^x - e^{-x}}$	$-\csc hx \text{coth } x$
$\arcsin hx = \sinh^{-1} x$	$\frac{1}{\sqrt{x^2+1}}$
$\arccos hx = \cosh^{-1} x$	$\frac{1}{\sqrt{x^2-1}}$
$\arctan hx = \tanh^{-1} x$	$\frac{1}{1-x^2}$
$\text{arc coth } x = \text{coth}^{-1} x$	$-\frac{1}{x^2-1}$
$\text{arc sec } hx = \sec h^{-1} x$	$-\frac{1}{x\sqrt{1-x^2}}$
$\text{arc csc } hx = \csc h^{-1} x$	$-\frac{1}{x\sqrt{1+x^2}}$