integral	function	derivative
	x^n	nx^{n-1}
	$\sin x$	$\cos x$
	e^x	e^x
$x \ln x - x$	$\ln x$	1 2
	$\ln(1+x)$	$\frac{\frac{1}{x}}{\frac{1}{1+x}}$
	$\sin^- x$	$\frac{1}{\sqrt{1-x^2}}$
	$\tan^- x$	$\frac{\sqrt{1-x^2}}{\sqrt{1+x^2}}$
	$\tan x$	$\sec^2 x$
	$\sec x$	$\sin x \cos^{-2} x = \tan x \sec x$
	$\csc x$	$\cot x \csc x$
$\ln \sin x $	$\cot x$	
$\ln \sec x + \tan x $	$\sec x$	
$2\sqrt{x}$	$\frac{1}{\sqrt{x}}$	

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