TABLE OF DERIVATIVES

FUNCTION	DERIVATIVE
C	0
cx	c
x^a	ax^{a-1}
$\sin x$	$\cos x$
$\cos x$	$\sin x$
$\tan x$	$(\sec x)^2$
$\sec x$	$\sec x \tan x$
e^x	e^x
$\ln |x|$	$\dfrac{1}{x}$
a^x	$(\ln a)\, a^x$
$\log_b x$	$\dfrac{1}{(\ln b)\, x}$
$\sinh x$	$\cosh x$
$\cosh x$	$\sinh x$
$\tanh x$	$(\operatorname{sech} x)^2$
$\arcsin x$	$\dfrac{1}{\sqrt{1-x^2}}$
$\arccos x$	$\dfrac{1}{\sqrt{1-x^2}}$
$\arctan x$	$\dfrac{1}{x^2 + 1}$
$\displaystyle\int_a^x f(t)\, dt$	$f(x)$

Multiply by current power. Add 1 to power.