

derivate funzioni elementari	
$Dk = 0$	$Dx = 1$
$Dx^n = n \cdot x^{n-1}$	$Dx^{-n} = -n \cdot x^{-n-1} = -\frac{n}{x^{n+1}}$
$D\sqrt{x} = \frac{1}{2\sqrt{x}}$	$D\sqrt[n]{x} = \frac{1}{n \cdot \sqrt[n]{x^{n-1}}}$
$D \ln x = \frac{1}{x}$	$D \log_a x = \frac{1}{x} \log_a e$
$De^x = e^x$	$Da^x = a^x \ln a$
$D \sin x = \cos x$	$D \arcsin x = \frac{1}{\sqrt{1-x^2}}$
$D \cos x = -\sin x$	$D \arccos x = -\frac{1}{\sqrt{1-x^2}}$
$D \tan x = \frac{1}{\cos^2 x} = 1 + \tan^2 x$	$D \arctan x = \frac{1}{1+x^2}$
$D \cot x = -\frac{1}{\sin^2 x} = -1 - \cot^2 x$	$D \operatorname{arccot} x = -\frac{1}{1+x^2}$