

Таблиця похідних

1	$(x^\alpha)' = \alpha x^{\alpha-1}$	10	$(\operatorname{ctg} x)' = -\frac{1}{\sin^2 x}$
2	$(\sqrt{x})' = \frac{1}{2\sqrt{x}}$	11	$(\arcsin x)' = \frac{1}{\sqrt{1-x^2}}$
3	$(e^x)' = e^x$	12	$(\arccos x)' = -\frac{1}{\sqrt{1-x^2}}$
4	$(a^x)' = a^x \ln a$	13	$(\operatorname{arctg} x)' = \frac{1}{1+x^2}$
5	$(\ln x)' = \frac{1}{x}$	14	$(\operatorname{arcctg} x)' = -\frac{1}{1+x^2}$
6	$(\log_a x)' = \frac{1}{x \ln a}$	15	$(\operatorname{sh} x)' = \operatorname{ch} x$
7	$(\sin x)' = \cos x$	16	$(\operatorname{ch} x)' = \operatorname{sh} x$
8	$(\cos x)' = -\sin x$	17	$(\operatorname{th} x)' = \frac{1}{\operatorname{ch}^2 x}$
9	$(\operatorname{tg} x)' = \frac{1}{\cos^2 x}$	18	$(\operatorname{cth} x)' = -\frac{1}{\operatorname{sh}^2 x}$