- **TABLICA IZVODA ELEMENTARNIH FUNKCIJA**

$f(x)$	$f'(x)$	$f(x)$	$f'(x)$
$c,\ c \in R$	0	$sinx$	$cosx$
$x^a\ ,\ a \in Q$	ax^{a-1}	$cosx$	$-sinx$
$log_a x\ ,\ a > 0,\ a \neq 1$	$\frac{1}{xlna}$	tgx	$\frac{1}{cos^2 x}$
lnx	$\frac{1}{x}$	$ctgx$	$-\frac{1}{sin^2 x}$
$a^x\ ,\ a > 0,\ a \neq 1$	$a^x lna$	$arcsinx$	$\frac{1}{\sqrt{1-x^2}}$
e^x	e^x	$arccosx$	$-\frac{1}{\sqrt{1-x^2}}$
		$arctgx$	$\frac{1}{1+x^2}$
		$arcctgx$	$-\frac{1}{1+x^2}$

- **TABLICA INTEGRALA ELEMENTARNIH FUNKCIJA**

$\int x^n dx = \frac{x^{n+1}}{n+1} + C,\ n \neq -1$	$\int e^x dx = e^x + C$
$\int \frac{dx}{x} = ln\lvert x\rvert + C$	$\int a^x dx = \frac{a^x}{lna} + C$
$\int sinxdx = -cosx + C$	$\int \frac{dx}{a^2+x^2} = \frac{1}{a} atctg\frac{x}{a} + C = -\frac{1}{a} arcctg\frac{x}{a} + C_1$
$\int cosxdx = sinx + C$	$\int \frac{dx}{\sqrt{a^2-x^2}} = arcsin\frac{x}{a} + C = -arccos\frac{x}{a} + C_1$
$\int \frac{dx}{cos^2 x} = tgx + C$	$\int \frac{dx}{\sqrt{x^2 \pm a^2}} = ln\left\lvert x + \sqrt{x^2 \pm a^2}\right\rvert + C$
$\int \frac{dx}{sin^2 x} = -ctgx + C$	