Tablica izvoda:	
Funkcija $f(x)$	Izvod f(x)
c = const	0
x	1
x^{α}	ax^{a-1}
a^x	$a^x \ln a$
e^x	e^x
$\log_a x$	$\frac{1}{x \ln a}$
ln x	$\frac{1}{x}$
sin x	$\cos x$
cos x	$-\sin x$
tgx	$\frac{1}{\cos^2 x}$
ctgx	$-\frac{1}{\sin^2 x}$
arcsin x	1
arccos x	$ \frac{1}{\sqrt{1-x^2}} $ $ -\frac{1}{\sqrt{1-x^2}} $ $ \frac{1}{1+x^2} $ $ -\frac{1}{1+x^2} $
arctgx	$\frac{1}{1+x^2}$
arcctgx	$-\frac{1}{1+x^2}$

Tablica integrala:	
$\int dx = x + c$	
$\int x^n dx = \frac{x^{n+1}}{n+1} + c$	
$\int \frac{dx}{x} = \ln x + c$	
$\int e^x dx = e^x + c$	
$\int a^x dx = \frac{a^x}{\ln a} + c$	
$\int \sin x dx = -\cos x + c$	
$\int \cos x dx = \sin x + c$	
$\int \frac{dx}{\cos^2 x} = tgx + c$	
$\int \frac{dx}{\sin^2 x} = -ctgx + c$	
$\int \frac{dx}{x^2 + a^2} = \frac{1}{a} \arctan \frac{x}{a} + c = -\frac{1}{a} \arctan \frac{x}{a} + c_1, \ a \neq 0$	
$\int \frac{dx}{x^2 - a^2} = \frac{1}{2a} \ln \left \frac{x - a}{x + a} \right + c, \ a \neq 0$	
$\int \frac{dx}{\sqrt{x^2 \pm a^2}} = \ln \left x + \sqrt{x^2 \pm a^2} \right + c, \ a \neq 0$	
$\int \frac{dx}{\sqrt{a^2 - x^2}} = \arcsin \frac{x}{a} + c = -\arccos \frac{x}{a} + c_1, \ a > 0$	
$\int \sqrt{a^2 - x^2} dx = \frac{x}{2} \sqrt{a^2 - x^2} + \frac{a^2}{2} \arcsin \frac{x}{a} + c , \ a > 0$	
$\int \sqrt{x^2 + A} dx = \frac{x}{2} \sqrt{x^2 + A} + \frac{A}{2} \ln \left x + \sqrt{x^2 + A} \right + c$	

Površine ravnih figura:

$$P = \int_{a}^{b} |f(x)| dx, \ P = \int_{t_{1}}^{t_{2}} y(t) \cdot x'_{t}(t) dt, \ P = \frac{1}{2} \int_{\alpha}^{\beta} \rho^{2}(\varphi) d\varphi.$$

Dužina luka krive:
$$l = \int_{a}^{b} \sqrt{1 + (f'(x))^2} dx$$
, $l = \int_{t_1}^{t_2} \sqrt{(x'_t(t))^2 + (y'_t(t))^2} dt$, $l = \int_{\alpha}^{\beta} \sqrt{\rho^2(\varphi) + (\rho'(\varphi))^2} d\varphi$.

Zapremina obrtnih tela:
$$V = \pi \int_{a}^{b} f^{2}(x)dx$$
, $V = \pi \int_{t_{1}}^{t_{2}} y^{2}(t) \cdot x'_{t}(t)dt$, $V = \frac{2\pi}{3} \int_{\alpha}^{\beta} \rho^{3}(\varphi) \sin \varphi \, d\varphi$.

Površina omotača obrtnih tela:

$$P = 2\pi \int_{a}^{b} |f(x)| \sqrt{1 + (f'(x))^{2}} dx, \ P = 2\pi \int_{t_{1}}^{t_{2}} |y(t)| \sqrt{(x'(t))^{2} + (y'(t))^{2}} dt, \ P = 2\pi \int_{\alpha}^{\beta} \rho(\varphi) \sqrt{\rho^{2}(\varphi) + (\rho'(\varphi))^{2}} \sin \varphi d\varphi.$$

Maklorenove formule:

$$e^x = 1 + \frac{x}{1!} + \frac{x^2}{2!} + \dots + \frac{x^{n-1}}{(n-1)!} + R_n(x) \,, \ R_n(x) = \frac{x^n}{n!} \, e^{\theta \, x} \,, \ 0 < \theta < 1, \, x \in R \,.$$

$$\sin x = \frac{x}{1!} - \frac{x^3}{3!} + \frac{x^5}{5!} - \dots + (-1)^{n-1} \frac{x^{2n-1}}{(2n-1)!} + R_{2n+1}(x), \ R_{2n+1}(x) = (-1)^n \frac{x^{2n+1}}{(2n+1)!} \cos \theta x, \ 0 < \theta < 1, x \in \mathbb{R}.$$

$$\cos x = 1 - \frac{x^2}{2!} + \frac{x^4}{4!} + \dots + (-1)^{n-1} \frac{x^{2n-2}}{(2n-2)!} + R_{2n}(x), \ R_{2n}(x) = (-1)^n \frac{x^{2n}}{(2n)!} \cos \theta x, \ 0 < \theta < 1, x \in \mathbb{R}.$$

$$\ln(1+x) = \frac{x}{1} - \frac{x^2}{2} + \frac{x^3}{3} - \frac{x^4}{4} + \dots + (-1)^n \frac{x^{n-1}}{(n-1)} + R_n(x), \ R_n(x) = (-1)^{n+1} \frac{x^n}{n(1+\theta x)^n}, \ 0 < \theta < 1, -1 < x \le 1, \ n > 1.$$

$$(1+x)^{\alpha} = {\alpha \choose 0} + {\alpha \choose 1}x + {\alpha \choose 2}x^2 + \dots + {\alpha \choose n-1}x^{n-1} + R_n(x), R_n(x) = {\alpha \choose n}x^n(1+\theta x)^{\alpha-n}, 0 < \theta < 1, |x| < 1,$$

$$\binom{\alpha}{k} = \frac{\alpha(\alpha - 1)...(\alpha - k + 1)}{k!}, \ \alpha \in R, \ k \in N_0 = N \cup \{0\};$$

$$\alpha = 1: \qquad \frac{1}{1+x} = \sum_{k=0}^{n-1} (-1)^k x^k + R_n(x) \ R_n(x) = \frac{(-1)^n x^n}{(1+\theta x)^{n+1}}, \ 0 < \theta < 1, \ |x| < 1.$$

Trigonometrija:

$$\sin(x+y) = \sin x \cos y + \cos x \sin y$$

$$\cos(x+y) = \cos x \cos y - \sin x \sin y$$

$$tg(x+y) = \frac{tgx + tgy}{1 - tgx \cdot tgy}$$

$$ctg(x+y) = \frac{ctgxctgy - 1}{ctgx + ctgy}$$

$$\sin(x-y) = \sin x \cos y - \cos x \sin y$$

$$\cos(x - y) = \cos x \cos y + \sin x \sin y$$

$$tg(x-y) = \frac{tgx - tgy}{1 + tgx \cdot tgy}$$

$$ctg(x-y) = \frac{ctgxctgy + 1}{ctgy - ctgx}$$

$$\sin x + \sin y = 2\sin \frac{x+y}{2}\cos \frac{x-y}{2}$$

$$\cos x + \cos y = 2\cos\frac{x+y}{2}\cos\frac{x-y}{2}$$

$$tgx + tgy = \frac{\sin(x+y)}{\cos x \cos y}$$

$$ctgx + ctgy = \frac{\sin(x+y)}{\sin x \sin y}$$

$$\sin x - \sin y = 2\sin \frac{x - y}{2}\cos \frac{x + y}{2}$$

$$\cos x - \cos y = -2\sin\frac{x+y}{2}\sin\frac{x-y}{2}$$

$$tgx - tgy = \frac{\sin(x - y)}{\cos x \cos y}$$

$$ctgx - ctgy = \frac{\sin(y - x)}{\sin x \sin y}$$

$$\sin 2x = 2\sin x \cos x$$

$$\cos 2x = \cos^2 x - \sin^2 x$$

$$tg2x = \frac{2tgx}{1 - tg^2x}$$

$$ctg2x = \frac{ctg^2x - 1}{2ctgx}$$

$$\sin x \cos y = \frac{1}{2} \left[\sin(x - y) + \sin(x + y) \right]$$

$$\sin x \sin y = \frac{1}{2} \left[\cos(x - y) - \cos(x + y) \right]$$

$$\cos x \cos y = \frac{1}{2} \left[\cos(x - y) + \cos(x + y) \right]$$

$$\sin^2 \frac{x}{2} = \frac{1 - \cos x}{2}$$

$$\cos^2 \frac{x}{2} = \frac{1 + \cos x}{2}$$

$$\sin x = \frac{2tg\frac{x}{2}}{1 + tg^2\frac{x}{2}}$$

$$\cos x = \frac{1 - tg^2 \frac{x}{2}}{1 + tg^2 \frac{x}{2}}$$

$$\sin^2 x = \frac{tg^2 x}{1 + tg^2 x}$$

$$\cos^2 x = \frac{1}{1 + tg^2 x}$$