

Nr.	Derivate
1.	$c' = 0$
2.	$x' = 1$
3.	$(x^n)' = nx^{n-1}$
4.	$(\sqrt{x})' = \frac{1}{2\sqrt{x}}$
5.	$\left(\frac{1}{x}\right)' = -\frac{1}{x^2}$
6.	$(e^x)' = e^x$
7.	$(a^x)' = a^x \ln a$
8.	$(\ln x)' = \frac{1}{x}$
9.	$(\log_a x)' = \frac{1}{x \ln a}$
10.	$(\operatorname{arctg} x)' = \frac{1}{x^2 + 1}$
11.	$(\operatorname{arctg} x)' = -\frac{1}{x^2 + 1}$
12.	$(\arcsin x)' = \frac{1}{\sqrt{1-x^2}}$
13.	$(\arccos x)' = -\frac{1}{\sqrt{1-x^2}}$
14.	$(\sin x)' = \cos x$
15.	$(\cos x)' = -\sin x$
16.	$(\operatorname{tg} x)' = \frac{1}{\cos^2 x}$
17.	$(\operatorname{ctg} x)' = -\frac{1}{\sin^2 x}$
18.	$(\sqrt{x^2 - a^2})' = \frac{x}{\sqrt{x^2 - a^2}}$
19.	$(\sqrt{x^2 + a^2})' = \frac{x}{\sqrt{x^2 + a^2}}$
20.	$(\sqrt{a^2 - x^2})' = -\frac{x}{\sqrt{a^2 - x^2}}$

Nr.	Integrale
1.	$\int dx = x + C$
2.	$\int x \, dx = \frac{x^2}{2} + C$
3.	$\int x^n \, dx = \frac{x^{n+1}}{n+1} + C$
4.	$\int \sqrt{x} \, dx = \frac{2}{3} x\sqrt{x} + C$
5.	$\int e^x \, dx = e^x + C$
6.	$\int a^x \, dx = \frac{a^x}{\ln a}$
7.	$\int \frac{1}{x} \, dx = \ln  x  + C$
8.	$\int \frac{1}{x^2 - a^2} \, dx = \frac{1}{2a} \ln \left  \frac{x-a}{x+a} \right  + C$
9.	$\int \frac{1}{x^2 + 1} \, dx = \operatorname{arctg} x + C$
10.	$\int \frac{1}{x^2 + a^2} \, dx = \frac{1}{a} \operatorname{arctg} \frac{x}{a} + C$
11.	$\int \frac{1}{\sqrt{x^2 - a^2}} \, dx = \ln \left  x + \sqrt{x^2 - a^2} \right  + C$
12.	$\int \frac{1}{\sqrt{x^2 + a^2}} \, dx = \ln \left( x + \sqrt{x^2 + a^2} \right) + C$
13.	$\int \frac{1}{\sqrt{1-x^2}} \, dx = \arcsin x + C$
14.	$\int \frac{1}{\sqrt{a^2 - x^2}} \, dx = \arcsin \frac{x}{a} + C$
15.	$\int \sin x \, dx = -\cos x + C$
16.	$\int \cos x \, dx = \sin x + C$
17.	$\int \operatorname{tg} x \, dx = -\ln  \cos x  + C$
18.	$\int \operatorname{ctg} x \, dx = \ln  \sin x  + C$
19.	$\int \frac{1}{\cos^2 x} \, dx = \operatorname{tg} x + C$
20.	$\int \frac{1}{\sin^2 x} \, dx = -\operatorname{ctg} x + C$
21.	$\int \frac{x}{\sqrt{x^2 - a^2}} \, dx = \sqrt{x^2 - a^2} + C$
22.	$\int \frac{x}{\sqrt{x^2 + a^2}} \, dx = \sqrt{x^2 + a^2} + C$
23.	$\int \frac{x}{\sqrt{a^2 - x^2}} \, dx = -\sqrt{a^2 - x^2} + C$