

Таблица неопределенных интегралов	
1	$\int 0 \, dx = C$
2	$\int dx = x + C$
3	$\int k \, dx = kx + C$
4	$\int x \, dx = \frac{x^2}{2} + C$
5	$\int x^n \, dx = \frac{x^{n+1}}{n+1} + C$
6	$\int \frac{1}{\sqrt{x}} \, dx = 2\sqrt{x} + C$
7	$\int \frac{1}{x^2} \, dx = -\frac{1}{x} + C$
8	$\int \frac{1}{x} \, dx = \ln x + C$
9	$\int a^x \, dx = \frac{a^x}{\ln a} + C$
10	$\int e^x \, dx = e^x + C$
11	$\int \sin x \, dx = -\cos x + C$
12	$\int \cos x \, dx = \sin x + C$
13	$\int \frac{1}{\cos^2 x} \, dx = \operatorname{tg} x + C$
14	$\int \frac{1}{\sin^2 x} \, dx = -\operatorname{ctg} x + C$
15	$\int \frac{1}{\sqrt{1-x^2}} \, dx = \arcsin x + C$
16	$\int \frac{1}{1+x^2} \, dx = \operatorname{arctg} x + C$

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5	$\int x^n \, dx = \frac{x^{n+1}}{n+1} + C$	13	$\int \frac{1}{\cos^2 x} \, dx = \operatorname{tg} x + C$
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