Integrale nedefinite

1	$\int 1\ dx = \int dx = x + \mathcal{C}$	
2	$\int x^n\, dx = \frac{x^{n+1}}{n+1} + \mathcal{C}$	$\int u^n(x) \cdot u'(x) dx = \frac{u^{n+1}(x)}{n+1} + \mathcal{C}$
3	$\int e^x\, dx = e^x + \mathcal{C}$	$\int e^{u(x)} \cdot u'(x) dx = e^{u(x)} + \mathcal{C}$
4	$\int a^x dx = \frac{a^x}{\ln a} + \mathcal{C}$	$\int a^{u(x)} \cdot u'(x) dx = \frac{a^{u(x)}}{\ln a} + \mathcal{C}$
5	$\int \frac{1}{x} dx = \ln x + \mathcal{C}$	$\int \frac{1}{u(x)} \cdot u'(x)\, dx = \ln u(x) + \mathcal{C}$
6	$\int \frac{1}{x^2 - a^2} dx = \frac{1}{2a} \ln \left\lvert \frac{x-a}{x+a} \right\rvert + \mathcal{C}$	$\int \frac{1}{u^2(x) - a^2} \cdot u'(x) dx = \frac{1}{2a} \ln \left\lvert \frac{u(x)-a}{u(x)+a} \right\rvert + \mathcal{C}$
7	$\int \frac{1}{x^2 + a^2} dx = \frac{1}{a} \operatorname{arctg} \frac{x}{a} + \mathcal{C}$	$\int \frac{1}{u^2(x) + a^2} \cdot u'(x) dx = \frac{1}{a} \operatorname{arctg} \frac{u(x)}{a} + \mathcal{C}$
8	$\int \frac{1}{\sqrt{x^2 - a^2}} dx = \ln \left\lvert x + \sqrt{x^2 - a^2} \right\rvert + \mathcal{C}$	$\int \frac{1}{\sqrt{u^2(x) - a^2}} \cdot u'(x) dx = \ln \left\lvert u(x) + \sqrt{u^2(x) - a^2} \right\rvert + \mathcal{C}$
9	$\int \frac{1}{\sqrt{x^2 + a^2}} dx = \ln \left(x + \sqrt{x^2 + a^2} \right) + \mathcal{C}$	$\int \frac{1}{\sqrt{u^2(x) + a^2}} \cdot u'(x) dx = \ln \left(u(x) + \sqrt{u^2(x) + a^2} \right) + \mathcal{C}$
10	$\int \frac{1}{\sqrt{a^2 - x^2}} dx = \arcsin \frac{x}{a} + \mathcal{C}$	$\int \frac{1}{\sqrt{a^2 - u^2(x)}} \cdot u'(x) dx = \arcsin \frac{u(x)}{a} + \mathcal{C}$
11	$\int \sin x\, dx = -\cos x + \mathcal{C}$	$\int \sin u(x) \cdot u'(x)\, dx = -\cos u(x) + \mathcal{C}$
12	$\int \cos x\ dx = \sin x + \mathcal{C}$	$\int \cos u(x)\ \cdot u'(x) dx = \sin u(x) + \mathcal{C}$
13	$\int \operatorname{tg} x\, dx = -\ln\lvert\cos x\rvert + \mathcal{C}$	$\int \operatorname{tg} u(x) \cdot u'(x)\, dx = -\ln\lvert\cos u(x)\rvert + \mathcal{C}$
14	$\int \operatorname{ctg} x\, dx = \ln\lvert\sin x\rvert + \mathcal{C}$	$\int \operatorname{ctg} u(x) \cdot u'(x)\, dx = \ln\lvert\sin u(x)\rvert + \mathcal{C}$
15	$\int \frac{1}{\sin^2 x} dx = -\operatorname{ctg} x + \mathcal{C}$	$\int \frac{1}{\sin^2 u(x)} \cdot u'(x) dx = -\operatorname{ctg} u(x) + \mathcal{C}$
16	$\int \frac{1}{\cos^2 x} dx = \operatorname{tg} x + \mathcal{C}$	$\int \frac{1}{\cos^2 u(x)} \cdot u'(x)\, dx = \operatorname{tg} u(x) + \mathcal{C}$