$f(x)$	$\int f(x)dx$	$f(x)$	$\int f(x)dx$
$x^\alpha \ (\alpha \in IR \setminus \{-1\})$	$\frac{x^{\alpha+1}}{\alpha+1}+c$	$\sin \omega x$	$\frac{-1}{\omega}\cos\omega x + c (\omega \neq 0)$
$\frac{1}{x}$	$\ln \lvert x \rvert + c$	$\cos \omega x$	$\frac{1}{\omega}\sin \omega x + c \ (\omega \neq 0)$
$\frac{1}{1+x^2}$	$arctg\, x + c$	$\frac{1}{\sin^2 x}$	$-cotg\, x + c$
$\frac{1}{a^2+x^2}$	$\frac{1}{a}\, arctg \frac{x}{a} + c$	$ch\, x$	$sh\, x + c$
$\frac{1}{x^2-a^2}$	$\frac{1}{2a}\ln\left\lvert\frac{x-a}{x+a}\right\rvert + c$	$sh\, x$	$ch\, x + c$
$\frac{1}{\sqrt{1-x^2}}$	$\arcsin x + c$	$\frac{1}{\cos^2 x}$	$tg\, x + c$
$\frac{1}{\sqrt{a^2-x^2}}$	$\arcsin \frac{x}{a} + c$	$\frac{1}{ch^2 x}$	$th\, x + c$
$\frac{1}{\sqrt{1+x^2}}$	$\ln\left\lvert x+\sqrt{1+x^2}\right\rvert + c$	$\frac{1}{sh^2 x}$	$-\frac{1}{th\, x} + c$
$e^{\lambda x}$	$\frac{1}{\lambda} e^{\lambda x} + c \ (\lambda \neq 0)$	$\frac{1}{\sin x}$	$\ln\left\lvert tg \frac{x}{2}\right\rvert + c$
$a^x \ (a>0 \ , a \neq 1)$	$\frac{1}{\ln a} a^x + c$	$\frac{1}{\cos x}$	$\ln\left\lvert tg\left(\frac{x}{2}+\frac{\pi}{4}\right)\right\rvert$

$f(x)$	$\int f(x)dx$	$f(x)$	$\int f(x)dx$
$u^\alpha u'$	$\frac{u^{\alpha+1}}{\alpha+1}+c, \alpha \neq -1$	$\frac{u'}{1+u^2}$	$arctgu + c$
$\frac{u'}{u}$	$\ln\lvert u\rvert + c$	$\frac{u'}{\sqrt{1-u^2}}$	$\arcsin u + c$
$e^u u'$	$e^u + c$	$-\frac{u'}{\sqrt{1-u^2}}$	$\arccos u + c$
$u' \sin u$	$-\cos u + c$	$u' \cos u$	$\sin u + c$
$\frac{u'}{\cos^2 u}$	$tgu + c$	$\frac{u'}{\sin^2 u}$	$-\cot gu + c$