$\int u^n\,du=\frac{u^{(n+1)}}{(n+1)}+c\,,(n\neq-1)$
$\int\frac{du}{u}=\ln u+c$
$\int\sin(u)\,du=-\cos(u)+c$
$\int\cos(u)\,du=\sin(u)+c$
$\int sec^2(u)\,du=\tan(u)+c$
$\int cosec^2(u)\,du=-\cot(u)+c$
$\int sec(u)\tan(u)\,du=sec(u)+c$
$\int cosec(u)\cot(u)\,du=-cosec(u)+c$
$\int e^u\,du=e^u+c$
$\int a^u\,du=\frac{a^u}{(\ln a)}+c$
$\int\frac{du}{(\sqrt{(a^2-u^2)})}=\sin^{-1}(\frac{u}{a})+c$
$\int\frac{du}{(a^2+u^2)}=\frac{1}{a}\tan^{-1}(\frac{u}{a})+c$
$\int\frac{du}{(u\sqrt{(u^2-a^2)})}=\frac{1}{a}sec^{-1}(\frac{u}{a})+c$
$\int\sinh(u)\,du=\cosh(u)+c$
$\int\cosh(u)\,du=\sinh(u)+c$
$\int sech^2(u)\,du=\tanh(u)+c$
$\int sech(u)\tanh(u)\,du=-sech(u)+c$
$\int cosech(u).\coth(u)du=-cosech(u)+c$
$\int cosech^2(u)\,du=-\coth(u)+c$
$\int\frac{du}{(\sqrt{(a^2+u^2)})}=\sinh^{-1}(\frac{u}{a})+c=\ln(u+\sqrt{(u^2+a^2)})+c$
$\int\frac{du}{(\sqrt{(u^2-a^2)})}=\cosh^{-1}(\frac{u}{a})+c=\ln(u+\sqrt{(u^2-a^2)})+c$
$\int\frac{du}{(a^2-u^2)}=\frac{1}{a}\tanh^{-1}(\frac{u}{a})+c=\frac{1}{2a}\ln(\frac{(a+u)}{(a-u)})+c$
$\int\frac{du}{(u\sqrt{(a^2-u^2)})}=\frac{1}{a}sech^{-1}(u)+c$
$\int\frac{du}{(u\sqrt{(u^2+a^2)})}=\frac{1}{a}cosech^{-1}(\frac{u}{a})+c$