SN	$\frac{d}{dx}[F(x)+c]=f(x)$	$\int f(x)\,dx=F(x)+c$
1	$\frac{d}{dx}(x^n)=nx^{n-1}$	$\int x^n\,dx=\frac{x^{n+1}}{n+1}+c\ [n\neq -1]$
2	$\frac{d}{dx}(x)=1, \frac{d}{dx}(c)=0$	$\int dx=x+c$
3	$\frac{d}{dx}(lnx)=\frac{1}{x};(x>0)$	$\int \frac{1}{x}\,dx=lnx+c$
4	$\frac{d}{dx}(e^{mx})=me^{mx}$	$\int e^{mx}\,dx=\frac{1}{m}e^{mx}+c$
5	$\frac{d}{dx}(e^x)=e^x$	$\int e^x\,dx=e^x+c$
6	$\frac{d}{dx}\left(\frac{a^x}{lna}\right)=a^x$	$\int a^x\,dx=\frac{a^x}{lna}+c$
7	$\frac{d}{dx}(\sin x)=\cos x$	$\int \cos x\ dx=\sin x+c$
8	$\frac{d}{dx}(\cos x)=-\sin x$	$\int \sin x\ dx=-\cos x+c$
9	$\frac{d}{dx}(\sin mx)=m\cos mx$	$\int \cos mx\ dx=\frac{1}{m}\sin mx+c$
10	$\frac{d}{dx}(\cos mx)=-m\sin mx$	$\int \sin mx\ dx=-\frac{1}{m}\cos mx+c$
11	$\frac{d}{dx}(\tan x)=sec^2\,x$	$\int sec^2\,x\ dx=\tan x+c$
12	$\frac{d}{dx}(\cot x)=-cosec^2\,x$	$\int cosec^2\,x\ dx=-\cot x+c$
13	$\frac{d}{dx}(\sec x)=\sec x\tan x$	$\int \sec x\tan x\ dx=\sec x+c$
14	$\frac{d}{dx}(cosec\,x)=-cosec\,x\cot x$	$\int cosec\,x\cot x\ dx=-cosec\,x+c$
15	$\frac{d}{dx}(sin^{-1}x)=\frac{1}{\sqrt{1-x^2}}$	$\int \frac{1}{\sqrt{1-x^2}}\,dx=sin^{-1}x+c$
16	$\frac{d}{dx}(tan^{-1}x)=\frac{1}{1+x^2}$	$\int \frac{1}{1+x^2}\,dx=tan^{-1}x+c$
17	$\frac{d}{dx}(sec^{-1}x)=\frac{1}{x\sqrt{x^2-1}}$	$\int \frac{1}{x\sqrt{x^2-1}}\,dx=sec^{-1}x+c$
18	$\frac{d}{dx}(cos^{-1}x)=-\frac{1}{\sqrt{1-x^2}}$	$\int \frac{1}{\sqrt{1-x^2}}\,dx=-cos^{-1}x+c$
19	$\frac{d}{dx}(cot^{-1}x)=-\frac{1}{1+x^2}$	$\int \frac{1}{1+x^2}\,dx=-cot^{-1}x+c$
20	$\frac{d}{dx}(cosec^{-1}x)=-\frac{1}{x\sqrt{x^2-1}}$	$\int \frac{1}{x\sqrt{x^2-1}}\,dx=-cosec^{-1}x+c$
21	$\frac{d}{dx}(\sqrt{x})=\frac{1}{2\sqrt{x}}$	$\int \frac{1}{\sqrt{x}}\,dx=2\sqrt{x}+c$
	$\int \frac{dx}{a^2+x^2}=\frac{1}{a}tan^{-1}\frac{x}{a}+c$	$\int \frac{dx}{\sqrt{a^2-x^2}}=sin^{-1}\frac{x}{a}+c$
	$\int \frac{dx}{x\sqrt{x^2-a^2}}=\frac{1}{a}sec^{-1}\frac{x}{a}+c$	