ula:

01. $\int x^n dx = \dfrac{x^{n+1}}{n+1} + c$

02. $\int e^x dx = e^x + c$

03. $\int a^x dx = \dfrac{a^x}{\log_e a}$

04. $\int \cos x\, dx = \sin x + c$

05. $\int \sin x\, dx = -\cos x + c$

06. $\int \sec^2 x\, dx = \tan x + c$

07. $\int \cos ec^2 x\, dx = -\cot x + c$

08. $\int \sec x \tan x\, dx = \sec x + c$

09. $\int \cot x \cos ecx\, dx = -\cos ecx + c$

10. $\int \dfrac{dx}{\sqrt{x^2 \pm a^2}} = \log\left[x + \sqrt{x^2 \pm a^2}\right] + c$

11. $\int \dfrac{dx}{a^2 - (mx)^2} = \dfrac{1}{2am} \log \dfrac{a+mx}{a-mx} + c$

12. $\int \dfrac{dx}{(mx)^2 - a^2} = \dfrac{1}{2am} \log \dfrac{mx-a}{mx+a}$

13. $\int \dfrac{dx}{\sqrt{a^2 - x^2}} = \sin^{-1}\dfrac{x}{a} + c$

14. $\int \dfrac{dx}{\sqrt{a^2 - (mx)^2}} = \dfrac{1}{m}\sin^{-1}\dfrac{mx}{a} + c$

15. $\int \dfrac{dx}{a^2 + x^2} = \dfrac{1}{a}\tan^{-1}\dfrac{x}{a} + c$

16. $\int \dfrac{dx}{a^2 + (mx)^2} = \dfrac{1}{am}\tan^{-1}\dfrac{mx}{a} + c$

ula:

1. $\dfrac{d}{dx}(c) = 0$

2. $\dfrac{d}{dx}(x^n) = nx^{n-1}$

3. $\dfrac{d}{dx}(e^x) = e^x$

4. $\dfrac{d}{dx}(a^x) = a^x \, Ina$

5. $\dfrac{d}{dx}(Inx) = \dfrac{1}{x}$

6. $\dfrac{d}{dx}(\log_a x) = \dfrac{1}{x}\log_a e$

7. $\dfrac{d}{dx}(\sin x) = \cos x$

8. $\dfrac{d}{dx}(\cos x) = -\sin x$

9. $\dfrac{d}{dx}(\tan x) = \sec^2 x$

10. $\dfrac{d}{dx}(\cot x) = -\cos ec^2 x$

11. $\dfrac{d}{dx}(\sec x) = \sec x \, \tan x$

12. $\dfrac{d}{dx}(\cos ecx) = -\cos ecx \cot x$

13. $\dfrac{d}{dx}(\sin^{-1} x) = \dfrac{1}{\sqrt{1-x^2}}$

14. $\dfrac{d}{dx}(\cos^{-1} x) = -\dfrac{1}{\sqrt{1-x^2}}$

15. $\dfrac{d}{dx}(\tan^{-1} x) = \dfrac{1}{1+x^2}$

16. $\dfrac{d}{dx}(\cot^{-1} x) = \dfrac{-1}{1+x^2}$

17. $\dfrac{d}{dx}(\sec^{-1} x) = \dfrac{1}{x\sqrt{x^2-1}}$

18. $\dfrac{d}{dx}(\cos ec^{-1} x) = -\dfrac{1}{x\sqrt{x^2-1}}$

19. $\dfrac{d}{dx}(u.v) = u\dfrac{dv}{dx} + v\dfrac{du}{dx}$

20. $\dfrac{d}{dx}\left(\dfrac{u}{v}\right) = \dfrac{v\dfrac{d}{dx}(u) - u\dfrac{d}{dx}(v)}{v^2}$

বে sin, cos, tan, cot, cosec, sec, এগুলোকে অন্তরীকরনের সময় যেগুলোর প্রথম অক্ষর C তাদের সামনে (-) চিহ্ন হয়।