



FORMULAS PARA INTEGRAR.

1. $\int (du + dv - dw) = \int du + \int dv - \int dw$	16. $\int \text{Sec}(u)du = \text{Ln}(\text{Sec}(u) + \text{Tan}(u)) + c$
2. $\int adu = a \int du$	17. $\int \text{Csc}(u)du = \text{Ln}(\text{Csc}(u) - \text{Cot}(u)) + c$
3. $\int dx = x + c$	18. $\int \frac{du}{u^2 + a^2} = \frac{1}{a} \text{ArcTan}\left(\frac{u}{a}\right) + c$
4. $\int u^n du = \frac{u^{n+1}}{n+1} + c$	19. $\int \frac{du}{u^2 - a^2} = \frac{1}{2a} \text{Ln}\left(\frac{u-a}{u+a}\right) + c$
5. $\int x^n dx = \frac{x^{n+1}}{n+1} + c$	20. $\int \frac{du}{a^2 - u^2} = \frac{1}{2a} \text{Ln}\left(\frac{a+u}{a-u}\right) + c$
6. $\int e^u du = e^u + c$	21. $\int \frac{du}{\sqrt{a^2 - u^2}} = \text{ArcSen}\left(\frac{u}{a}\right) + c$
7. $\int a^u du = \frac{a^u}{\text{Ln}(a)} + c$	22. $\int \frac{du}{\sqrt{u^2 \pm a^2}} = \text{Ln}(u + \sqrt{u^2 \pm a^2}) + c$
8. $\int \text{Sen}(u)du = -\text{Cos}(u) + c$	23. $\int \sqrt{a^2 - u^2} du = \frac{u}{2} \sqrt{a^2 - u^2} + \frac{a^2}{2} \text{ArcSen}\left(\frac{u}{a}\right) + c$
9. $\int \text{Cos}(u)du = \text{Sen}(u) + c$	
10. $\int \text{Sec}^2(u)du = \text{Tan}(u) + c$	24. $\int \sqrt{u^2 \pm a^2} du = \frac{u}{2} \sqrt{u^2 \pm a^2} \pm \frac{a^2}{2} \text{Ln}(u + \sqrt{u^2 \pm a^2}) + c$
11. $\int \text{Csc}^2(u)du = -\text{Cot}(u) + c$	
12. $\int \text{Sec}(u)\text{Tan}(u)du = \text{Sec}(u) + c$	25. $\int \frac{du}{u} = \text{Ln}(u) + c$
13. $\int \text{Csc}(u)\text{Cot}(u)du = -\text{Csc}(u) + c$	
14. $\int \text{Tan}(u)du = -\text{Ln}(\text{Sen}(u)) + c = \text{Ln}(\text{Sec}(u)) + c$	
15. $\int \text{Cot}(u)du = \text{Ln}(\text{Sen}(u)) + c$	