



Tema: Integrales Indefinidas

1. $\int x(x+1)^8 dx$

2. $\int \frac{dx}{1+\cos x}$

3. $\int \ln(x^2+4) dx$

4. $\int x\sqrt{x+2} dx$

5. $\int \frac{dx}{\sqrt{(1+x^2)^3}}$

6. $\int \sin^2 x dx$

7. $\int e^{-x} \sin x dx$

8. $\int \sqrt{\frac{1+x}{1-x}} dx$

9. $\int (\sin x) \ln(1+\sin x) dx$

10. $\int (1+x^2)^{-2} dx$

11. $\int x \arctan x dx$

12. $\int \frac{x^2}{1+x^2} \arctan x dx$

13. $\int \frac{e^x \ln(ex^x)}{x} dx$

14. $\int \frac{x \cos x dx}{(\cos x + x \sin x)^2}$

15. $\int x \left(1+x^2 + \sqrt[3]{(1+x^2)^2}\right)^{-1/2} dx$



$$16. \int \frac{x [\ln (\sqrt{x^2+1} + \sqrt{x^2+2})]^2 dx}{\sqrt{x^2+1}}$$

$$17. \int \sqrt{\frac{4-x}{x-9}} dx$$

$$18. \int \frac{\left(1 - \frac{1}{x^2}\right) dx}{\left(x^2 + \frac{1}{x^2} + 6\right) \arctan\left(\frac{x^2+1}{2x}\right)}$$

$$19. \int \left(\frac{x^2}{(x \sin x + \cos x)^2} + x \sin x \cos x\right) dx$$

$$20. \int \frac{e^{-2x} \sin^2 x dx}{(\cos x - \sin x)^2}$$

$$21. \int \frac{(2x^2 + 7)^{3/2}}{x} dx$$

$$22. \int \frac{dx}{(1 + \sqrt{x})^{3/2}}$$

$$23. \int \frac{x dx}{\sqrt{1 + 6x - 3x^2}}$$