

## INTEGRALES INDEFINIDAS

1.  $\int \frac{x^4 + 5\sqrt[3]{x} - 3x\sqrt{x} - 2}{4x} dx$

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

3.  $\int \frac{\ln x}{x^3} dx$

4.  $\int \frac{8x+6}{4x^2+4x+5} dx$

5.  $\int \frac{1}{\cos^3 x \operatorname{sen} x} dx$

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

7.  $\int \frac{1}{e^x + e^{-x} + 1} dx$

8.  $\int \frac{1}{x^4 \sqrt{x^2-1}} dx$

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

10.  $\int \frac{x^3}{\sqrt{1-x^8}} dx$

11.  $\int x^2 \operatorname{arctg} x dx$

12.  $\int \frac{x^3}{x^2+4x+5} dx$

13.  $\int \frac{\cos x}{\operatorname{sen} x + \cos x} dx$

14.  $\int \frac{x+\sqrt{x}}{\sqrt{x}+\sqrt[4]{x}} dx$

15.  $\int \frac{e^{3x}}{e^{2x}-3e^x+2} dx$

16.  $\int \frac{1}{x^2 \sqrt{x^2+2}} dx$

17.  $\int \frac{1+\sqrt{x+1}}{1+\sqrt[3]{x+1}} dx$

18.  $\int \frac{1}{\sqrt{x^2+2x+2}} dx$

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

20.  $\int (|1+x| + |1-x|) dx$