

Ejercicios de integrales

1 $\int x \operatorname{sen} x \, dx$

2 $\int \frac{\ln x}{x^3} \, dx$

3 $\int (x^3 + 5x^2 - 2)e^{2x} \, dx$

4 $\int \ln x \, dx$

5 $\int e^x \cos x \, dx$

6 $\int \frac{3x^2 - 2x + 5}{(x+3)^3} \, dx$

7 $\int x\sqrt{1+x} \, dx$

8 $\int \frac{dx}{\sqrt{1+e^x}}$

9 $\int \frac{dx}{x\sqrt{x^2-2}}$

10 $\int \frac{\sqrt{x+1}+2}{\sqrt[3]{(x+1)^2-\sqrt{x+1}}} \, dx$

11 $\int \operatorname{cosec}^3 x \, dx$

12 $\int \frac{e^{-x} + 3}{e^{3x}} \, dx$