

GUÍA INTEGRALES 1

1. $\int \sqrt{2axy} dx$

2. $\int \frac{5}{3x^2 + 9} dx$

3. $\int x \operatorname{sen}(1 - x^2) dx$

4. $\int \frac{\sqrt{x} + \ln(x)}{x} dx$

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

6. $\int \frac{x e^{-2x^2}}{5} dx$

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

8. $\int \frac{ax^2 - \sqrt{x} + 3\sqrt{abx} - 2x^5}{\sqrt[3]{x}} dx$

9. $\int \frac{ax^2 - \sqrt{x} + 3\sqrt{abx} - 2x^5}{\sqrt[3]{x}} da$

10. $\int 5 \operatorname{sen}(x) (3 - 4 \cos(x)) dx$

11. $\int 6^x x dx$

12. $\int \frac{\operatorname{sen}(5x)}{e^x} dx$

13. $\int e^{-2x} \cos(4x) dx$

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

15. $\int -2x^3 e^{5x^4} dx$

16. $\int \left(\frac{2}{x^2 + 7} - 9^x + 5 \sec(x) - 8 \operatorname{tg}^2(x) + 1 \right) dx$

17. $\int \sec^2(2 - x) dx$

18. $\int (e^{2t} - e^{-t})^2 dt$

19. $\int \frac{\sec^2(x)}{4 + \operatorname{tg}^2(x)} dx$

20. $\int \frac{5x^2 - \sqrt[5]{x^2} + e^{5x} - 7x}{x} dx$