

Ejercicios Integración por sustitución de variable

1. $\int x^2 (x^3 - 4)^9 dx =$
2. $\int \sin(x) \sqrt{1 - 3\cos(x)} dx =$
3. $\int 4\sec^2(x) \cdot e^{\tan(x)} dx =$
4. $\int 3x^2 e^{-4x^3} dx =$
5. $\int \frac{2x}{x^2 + 4} dx =$
6. $\int \frac{3}{\sqrt{ax + b}} dx =$
7. $\int \frac{e^x}{\sqrt[3]{1 + e^x}} dx =$
8. $\int \frac{\ln^4(x)}{x} dx =$
9. $\int \frac{x}{y^2 - 6y + 1} dy =$
10. $\int \frac{7\ln^5(x)}{2x} dx =$
11. $\int \sec^2(5x) \cdot \tan(5x) dx =$
12. $\int \frac{5e^{2x}}{(4 + e^{2x})^7} dx =$
13. $\int \frac{\sin(x) \sqrt{5 - \cos(x)}}{5} dx =$
14. $\int e^{\sec(3x)} \sec(3x) \tan(3x) dx =$
15. $\int \frac{\sin(2x)}{\cos^2(2x) + 9} dx =$
16. $\int \frac{e^x}{e^{2x} + 9} dx =$
17. $\int \frac{\sec^2(2x)}{\tan(2x)} dx =$
18. $\int \sec(x) \tan(x) [1 + \sec(x)]^{12} dx =$
19. $\int \frac{\sin(x)}{\cos^7(x)} dx =$
20. $\int 3x^4 e^{-4x^5} dx =$