

Exponential and Logarithmic  
Integrals

1. Find the indefinite integral.  
(Similar to p.336 #1-12)

$$\int 5e^{5x} dx$$

2. Find the indefinite integral.  
(Similar to p.336 #1-12)

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

3. Find the indefinite integral.  
(Similar to p.336 #1-12)

$$\int xe^{3x^2+1} dx$$

4. Find the indefinite integral.  
(Similar to p.336 #1-12)

$$\int 8x^2 e^{4x^3} dx$$

5. Find the indefinite integral.  
(Similar to p.336 #1-12)

$$\int (x+2)e^{x^2+4x-1} dx$$

6. Find the indefinite integral.  
(Similar to p.336 #13-30)

$$\int \frac{1}{x+4} dx$$

7. Find the indefinite integral.  
(Similar to p.336 #13-30)

$$\int \frac{9}{9x-1} dx$$

8. Find the indefinite integral.  
(Similar to p.336 #13-30)

$$\int \frac{3}{7x+2} dx$$

9. Find the indefinite integral.  
(Similar to p.336 #13-30)

$$\int \frac{x^3}{x^4-2} dx$$

10. Find the indefinite integral.  
(Similar to p.336 #13-30)

$$\int \frac{x-2}{x^2-4x+5} dx$$

11. Find the indefinite integral.  
(Similar to p.336 #13-30)

$$\int \frac{2}{x(\ln x)^5} dx$$

12. Find the indefinite integral.  
(Similar to p.336 #13-30)

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

13. Find the indefinite integral.  
(Similar to p.336 #31-45)

$$\int \frac{7x^2 - x + 3}{x} dx$$

14. Find the indefinite integral.  
(Similar to p.336 #31-45)

$$\int \frac{e^{7x} + 2e^{5x} - e^x}{e^{5x}} dx$$

15. Find the indefinite integral.  
(Similar to p.336 #31-45)

$$\int (18x - e^x) \sqrt{9x^2 - e^x} dx$$

16. Find the indefinite integral.  
(Similar to p.336 #31-45)

$$\int \frac{4}{1 + e^{-x}} dx$$

17. Find the indefinite integral.  
(Similar to p.336 #31-45)

$$\int \frac{x^2 - 7x + 2}{x - 2} dx$$

18. Find the indefinite integral.  
(Similar to p.336 #31-45)

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