

## **Basic Integration Worksheet**

$$\int_{5}^{8} (7x^2 + 8x^1 + 8) \, dx$$

$$\int_3^{11} (5x^1 + 1) \, dx$$

$$\int_{5}^{9} (1x^{1} + 6) dx$$

$$\int_{3}^{11} (2x^3 + 9x^2 + 4x^1 + 10) \, dx$$

$$\int_{1}^{7} (9x^3 + 1x^2 + 7x^1 + 5) \, dx$$

$$\int_{5}^{6} (6x^3 + 3x^2 + 9x^1 + 8) \, dx$$

$$\int_{1}^{3} (9x^{1} + 3) dx$$

$$\int_{2}^{5} (3x^3 + 2x^2 + 10x^1 + 6) \, dx$$

$$\int_{1}^{4} (10x^{3} + 7x^{2} + 1x^{1} + 5) \, dx$$

$$\int_0^6 (2x^3 + 3x^2 + 2x^1 + 9) \, dx$$

$$\int_{1}^{5} (5x^{1} + 9) dx$$

$$\int_{4}^{12} (7x^3 + 9x^2 + 5x^1 + 2) \, dx$$

$$\int_{3}^{4} (1x^3 + 3x^2 + 10x^1 + 7) \, dx$$

18.

$$\int_{2}^{8} (4x^2 + 10x^1 + 9) \, dx$$

8.

$$\int_{1}^{8} (10x^3 + 1x^2 + 4x^1 + 1) \, dx$$

19.

$$\int_0^4 (9x^3 + 7x^2 + 4x^1 + 7) \, dx$$

9.

$$\int_0^8 (5x^3 + 10x^2 + 2x^1 + 7) \, dx$$

20.

$$\int_{3}^{9} (4x^2 + 10x^1 + 6) \, dx$$

10.

$$\int_0^5 (1x^1 + 1) \, dx$$

21.

$$\int_{4}^{13} (8x^2 + 5x^1 + 10) \, dx$$

11.

$$\int_{5}^{10} (10x^3 + 6x^2 + 1x^1 + 9) \, dx$$

22.

$$\int_{1}^{2} (3x^2 + 8x^1 + 4) \, dx$$



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23. 
$$\int_{4}^{13} (10x^3 + 6x^2 + 9x^1 + 4) \, dx$$

$$\int_0^9 (7x^3 + 4x^2 + 1x^1 + 9) \, dx$$

24. 
$$\int_{5}^{13} (2x^3 + 4x^2 + 5x^1 + 2) \, dx$$

$$\int_{3}^{5} (4x^2 + 4x^1 + 5) \, dx$$

25. 
$$\int_0^6 (5x^3 + 4x^2 + 3x^1 + 4) \, dx$$

$$\int_{3}^{12} (3x^2 + 2x^1 + 3) \, dx$$

26. 
$$\int_{4}^{11} (7x^2 + 10x^1 + 5) \, dx$$

$$\int_3^7 (3x^1 + 4) \, dx$$

27. 
$$\int_{2}^{8} (10x^{3} + 10x^{2} + 6x^{1} + 1) dx$$

$$\int_{2}^{11} (6x^1 + 6) \, dx$$

28. 
$$\int_{5}^{11} (4x^2 + 1x^1 + 3) \, dx$$

$$\int_{3}^{7} (6x^1 + 7) dx$$

$$\int_{1}^{7} (8x^1 + 1) \, dx$$

$$\int_{2}^{12} (9x^2 + 9x^1 + 6) \, dx$$

$$\int_{5}^{14} (10x^1 + 6) \, dx$$

$$\int_{1}^{7} (6x^2 + 6x^1 + 6) \, dx$$

$$\int_0^7 (7x^3 + 4x^2 + 3x^1 + 8) \, dx$$

$$\int_{3}^{7} (2x^3 + 10x^2 + 3x^1 + 10) \, dx$$

$$\int_{3}^{9} (10x^3 + 8x^2 + 8x^1 + 4) \, dx$$

$$\int_{1}^{2} (4x^{2} + 4x^{1} + 3) \, dx$$

$$\int_{1}^{5} (8x^2 + 3x^1 + 3) \, dx$$

$$\int_{1}^{3} (4x^1 + 6) \, dx$$



## **Basic Integration Worksheet**

45. 
$$\int_{2}^{11} (5x^{1} + 3) \, dx$$

46. 
$$\int_{4}^{7} (4x^2 + 9x^1 + 1) \, dx$$

47. 
$$\int_{2}^{10} (1x^{1} + 8) \, dx$$

48. 
$$\int_{2}^{6} (4x^3 + 3x^2 + 5x^1 + 9) \, dx$$

49. 
$$\int_{3}^{5} (2x^{1} + 1) \, dx$$

$$\int_{4}^{5} (4x^2 + 3x^1 + 1) \, dx$$