# Basic Integration Worksheet

1.
$$\int_0^5 (3x^1 + 10)\,dx$$

2.
$$\int_4^{10} (3x^3 + 4x^2 + 7x^1 + 5)\,dx$$

3.
$$\int_3^{11} (6x^3 + 7x^2 + 7x^1 + 6)\,dx$$

4.
$$\int_4^{14} (6x^3 + 4x^2 + 9x^1 + 7)\,dx$$

5.
$$\int_0^{10} (10x^2 + 8x^1 + 1)\,dx$$

6.
$$\int_4^{10} (1x^1 + 10)\,dx$$

7.
$$\int_1^5 (1x^2 + 8x^1 + 8)\,dx$$

8.
$$\int_4^{11} (9x^1 + 4)\,dx$$

9.
$$\int_1^{10} (8x^1 + 9)\,dx$$

10.
$$\int_1^7 (3x^3 + 1x^2 + 9x^1 + 10)\,dx$$

11.
$$\int_2^3 (6x^1 + 9)\,dx$$

12.
$$\int_2^9 (1x^2 + 2x^1 + 5)\,dx$$

13.
$$\int_2^{12} (7x^1 + 7)\,dx$$

14.
$$\int_5^{12} (6x^3 + 7x^2 + 2x^1 + 10)\,dx$$

15.
$$\int_2^3 (3x^1 + 1)\,dx$$

16.
$$\int_5^{10} (2x^1 + 4)\,dx$$

17.
$$\int_4^6 (6x^3 + 6x^2 + 7x^1 + 4)\,dx$$

18.
$$\int_5^7 (6x^3 + 2x^2 + 7x^1 + 3)\,dx$$

19.
$$\int_4^7 (6x^3 + 5x^2 + 4x^1 + 6)\,dx$$

20.
$$\int_1^2 (6x^2 + 6x^1 + 7)\,dx$$

21.
$$\int_1^8 (4x^1 + 1)\,dx$$

22.
$$\int_3^7 (4x^2 + 6x^1 + 6)\,dx$$

# Basic Integration Worksheet

23. $\int_{1}^{11}(5x^3 + 8x^2 + 4x^1 + 5)\,dx$

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

25. $\int_{1}^{11}(9x^1 + 6)\,dx$

26. $\int_{5}^{15}(8x^1 + 7)\,dx$

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

28. $\int_{4}^{9}(6x^3 + 5x^2 + 7x^1 + 10)\,dx$

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

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

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

32. $\int_{4}^{7}(8x^2 + 2x^1 + 2)\,dx$

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

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

35. $\int_{1}^{6}(6x^3 + 10x^2 + 7x^1 + 4)\,dx$

36. $\int_{5}^{12}(4x^1 + 7)\,dx$

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

38. $\int_{5}^{10}(1x^3 + 2x^2 + 4x^1 + 9)\,dx$

39. $\int_{1}^{4}(5x^1 + 7)\,dx$

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

41. $\int_{2}^{7}(8x^2 + 3x^1 + 2)\,dx$

42. $\int_{4}^{10}(2x^2 + 6x^1 + 7)\,dx$

43. $\int_{4}^{8}(6x^1 + 1)\,dx$

44. $\int_{4}^{14}(9x^1 + 7)\,dx$

# Basic Integration Worksheet

**45.**
$$\int_0^4 (8x^2 + 7x^1 + 1)\, dx$$

**46.**
$$\int_4^{11} (8x^1 + 3)\, dx$$

**47.**
$$\int_0^{10} (1x^3 + 9x^2 + 2x^1 + 2)\, dx$$

**48.**
$$\int_4^9 (6x^1 + 3)\, dx$$

**49.**
$$\int_5^8 (8x^2 + 2x^1 + 2)\, dx$$

**50.**
$$\int_1^{10} (5x^2 + 4x^1 + 8)\, dx$$

# Basic Integration Worksheet
## Answer Key

1. 87.5

2. 8880

3. 25322.667

4. 61693.333

5. 3743.333

6. 102

7. 169.333

8. 500.5

9. 477

10. 2190

11. 24

12. 352.333

13. 560

14. 34095.833

15. 8.5

16. 95

17. 1942

18. 2899.333

19. 3766.5

20. 30

21. 133

22. 565.333

# Basic Integration Worksheet

23.

22136.667

24.

114

25.

600

26.

870

27.

720

28.

10843.333

29.

15.333

30.

211.333

31.

160

32.

783

33.

66

34.

658.667

35.

2801.667

36.

287

37.

189.667

38.

3122.083

39.

58.5

40.

2965.667

41.

970.833

42.

918

43.

148

44.

880

45.

230.667

46.

441

47.

5620

48.

210

49.

1077

50.

1935