



Basic Integration Worksheet

1. $\int_2^5 (10x^3 + 8x^2 + 4x^1 + 5) dx$

2. $\int_4^{10} (3x^3 + 2x^2 + 1x^1 + 9) dx$

3. $\int_2^9 (7x^3 + 4x^2 + 3x^1 + 1) dx$

4. $\int_2^4 (8x^3 + 2x^2 + 9x^1 + 10) dx$

5. $\int_3^6 (1x^1 + 5) dx$

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

7. $\int_4^9 (4x^3 + 10x^2 + 9x^1 + 2) dx$

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

9. $\int_4^6 (6x^1 + 5) dx$

10. $\int_1^3 (5x^1 + 9) dx$

11. $\int_5^7 (4x^2 + 10x^1 + 4) dx$



Basic Integration Worksheet

12.

$$\int_1^6 (7x^1 + 4) dx$$

13.

$$\int_5^{11} (7x^1 + 10) dx$$

14.

$$\int_1^8 (9x^1 + 2) dx$$

15.

$$\int_2^5 (3x^2 + 6x^1 + 2) dx$$

16.

$$\int_3^4 (8x^2 + 3x^1 + 3) dx$$

17.

$$\int_5^8 (1x^3 + 8x^2 + 5x^1 + 4) dx$$

18.

$$\int_1^4 (7x^1 + 2) dx$$

19.

$$\int_2^7 (6x^1 + 7) dx$$

20.

$$\int_4^7 (1x^3 + 7x^2 + 5x^1 + 8) dx$$

21.

$$\int_3^4 (8x^1 + 9) dx$$

22.

$$\int_2^{11} (9x^2 + 7x^1 + 5) dx$$

23.

$$\int_2^{10} (7x^2 + 4x^1 + 3) dx$$



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24. $\int_0^2 (9x^2 + 3x^1 + 5) dx$



Basic Integration Worksheet

25. $\int_4^9 (3x^3 + 5x^2 + 2x^1 + 4) dx$

26. $\int_1^6 (5x^2 + 8x^1 + 7) dx$

27. $\int_0^6 (5x^2 + 1x^1 + 5) dx$

28. $\int_1^2 (9x^3 + 3x^2 + 3x^1 + 9) dx$

29. $\int_0^9 (4x^2 + 5x^1 + 10) dx$

30. $\int_1^{11} (3x^1 + 4) dx$

31. $\int_1^9 (9x^3 + 8x^2 + 6x^1 + 3) dx$

32. $\int_1^{10} (6x^3 + 9x^2 + 1x^1 + 9) dx$

33. $\int_1^7 (2x^3 + 4x^2 + 2x^1 + 10) dx$

34. $\int_4^9 (3x^1 + 1) dx$

35. $\int_0^6 (9x^3 + 1x^2 + 2x^1 + 5) dx$



Basic Integration Worksheet

36.

$$\int_3^{11} (2x^3 + 4x^2 + 3x^1 + 2) dx$$

37.

$$\int_0^4 (6x^1 + 9) dx$$

38.

$$\int_2^{11} (9x^2 + 10x^1 + 3) dx$$

39.

$$\int_3^9 (4x^1 + 1) dx$$

40.

$$\int_3^{12} (10x^2 + 8x^1 + 1) dx$$

41.

$$\int_3^{10} (5x^2 + 10x^1 + 9) dx$$

42.

$$\int_4^6 (7x^2 + 8x^1 + 7) dx$$

43.

$$\int_5^8 (4x^2 + 6x^1 + 2) dx$$

44.

$$\int_0^9 (5x^3 + 1x^2 + 10x^1 + 10) dx$$

45.

$$\int_5^7 (6x^1 + 9) dx$$

46.

$$\int_3^9 (7x^2 + 6x^1 + 1) dx$$

47.

$$\int_2^{10} (3x^1 + 10) dx$$



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48. $\int_2^3 (7x^2 + 10x^1 + 1) dx$



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49. $\int_3^5 (6x^3 + 6x^2 + 9x^1 + 2) dx$

50. $\int_2^3 (6x^3 + 10x^2 + 6x^1 + 6) dx$



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Answer Key

1. 1891.5

2. 8028

3. 12537.583

4. 591.333

5. 28.5

6. 1663.667

7. 8824.167

8. 744

9. 70

10. 38

11. 418.667



12. 142.5

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13. 396

14. 297.5

15. 186

16. 112.167

17. 2009.25

18. 58.5

19. 170

20. 1293.75

21. 37

22. 4423.5

23. 2530.667



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24. 40



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25. 5922.083

26. 533.333

27. 408

28. 54.25

29. 1264.5

30. 220

31. 16965.333

32. 18126

33. 1764

34. 102.5

35. 3054



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36. 9202.667

37. 84

38. 4581

39. 150

40. 6219

41. 2139.667

42. 448.667

43. 639

44. 8939.25

45. 90

46. 1860

47. 224



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48. 70.333



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49. 1088

50. 181.833