



Basic Integration Worksheet

1. $\int_2^{11} (9x^3 + 9x^2 + 4x^1 + 1) dx$

2. $\int_4^{11} (8x^3 + 4x^2 + 2x^1 + 9) dx$

3. $\int_0^9 (9x^3 + 8x^2 + 5x^1 + 1) dx$

4. $\int_4^{10} (2x^3 + 5x^2 + 8x^1 + 5) dx$

5. $\int_4^{11} (6x^1 + 2) dx$

6. $\int_4^5 (5x^2 + 8x^1 + 1) dx$

7. $\int_2^{11} (4x^2 + 3x^1 + 6) dx$

8. $\int_0^8 (2x^3 + 5x^2 + 5x^1 + 5) dx$

9. $\int_1^5 (6x^1 + 1) dx$

10. $\int_1^{11} (1x^3 + 5x^2 + 10x^1 + 8) dx$

11. $\int_2^6 (4x^3 + 6x^2 + 8x^1 + 8) dx$



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12.

13. $\int_0^7 (2x^1 + 6) dx$

14. $\int_1^{10} (5x^2 + 4x^1 + 1) dx$

15. $\int_0^5 (7x^1 + 8) dx$

16. $\int_3^9 (6x^3 + 2x^2 + 9x^1 + 10) dx$

17. $\int_5^{11} (7x^2 + 5x^1 + 5) dx$

18. $\int_5^{14} (7x^3 + 10x^2 + 8x^1 + 10) dx$

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

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

21. $\int_0^9 (10x^1 + 4) dx$

22. $\int_4^{13} (2x^1 + 4) dx$

23. $\int_5^{11} (3x^1 + 4) dx$

$\int_5^{10} (3x^1 + 1) dx$



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24.



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25. $\int_1^7 (7x^1 + 10) dx$

26. $\int_5^{12} (7x^2 + 3x^1 + 7) dx$

27. $\int_5^7 (4x^3 + 5x^2 + 3x^1 + 2) dx$

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

29. $\int_5^{10} (9x^3 + 3x^2 + 6x^1 + 6) dx$

30. $\int_3^{10} (4x^2 + 9x^1 + 1) dx$

31. $\int_1^{11} (9x^2 + 4x^1 + 7) dx$

32. $\int_5^8 (8x^1 + 2) dx$

33. $\int_5^{14} (3x^2 + 2x^1 + 1) dx$

34. $\int_4^9 (9x^3 + 1x^2 + 1x^1 + 9) dx$

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



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36.

37.

$$\int_0^1 (9x^1 + 8) dx$$

38.

$$\int_3^6 (6x^3 + 8x^2 + 9x^1 + 5) dx$$

39.

$$\int_4^{14} (8x^1 + 5) dx$$

40.

$$\int_0^7 (7x^3 + 1x^2 + 6x^1 + 2) dx$$

41.

$$\int_4^{14} (3x^3 + 2x^2 + 1x^1 + 7) dx$$

42.

$$\int_3^{10} (9x^2 + 3x^1 + 5) dx$$

43.

$$\int_3^5 (4x^3 + 10x^2 + 10x^1 + 5) dx$$

44.

$$\int_1^8 (7x^3 + 5x^2 + 8x^1 + 7) dx$$

45.

$$\int_1^9 (10x^2 + 5x^1 + 10) dx$$

46.

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

47.

$$\int_4^6 (6x^3 + 10x^2 + 1x^1 + 7) dx$$

$$\int_1^3 (4x^1 + 7) dx$$



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49. $\int_0^5 (10x^2 + 8x^1 + 9) dx$

50. $\int_3^4 (6x^3 + 8x^2 + 10x^1 + 1) dx$



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Answer Key

1. 37118.25

2. 30627.333

3. 16917.75

4. 6798

5. 329

6. 138.667

7. 1993.5

8. 3101.333

9. 76

10. 6556.667

11. 1856



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12.

13.

91

14.

1872

15.

127.5

16.

10572

17.

3084

18.

75638.25

19.

72.917

20.

6132

21.

441

22.

189

23.

168



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25. 228

26. 3967.833

27. 2179.333

28. 147

29. 22223.75

30. 1713.833

31. 4300

32. 162

33. 2799

34. 14485.417

35. 82.5



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36.

37. 12.5

38. 2463

39. 770

40. 4477.083

41. 30566.667

42. 3090.5

43. 960.667

44. 8318.917

45. 2706.667

46. 2937.917

47. 2090.667



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49.

561.667

50.

397.167