



Basic Integration Worksheet

1. $\int_2^{12} (5x^3 + 1x^2 + 2x^1 + 2) dx$

2. $\int_0^1 (5x^2 + 10x^1 + 7) dx$

3. $\int_3^{10} (1x^2 + 5x^1 + 7) dx$

4. $\int_2^{10} (8x^1 + 4) dx$

5. $\int_3^9 (8x^2 + 10x^1 + 3) dx$

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

7. $\int_1^9 (4x^3 + 2x^2 + 9x^1 + 8) dx$

8. $\int_4^{12} (8x^2 + 3x^1 + 1) dx$

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

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

11. $\int_0^1 (2x^2 + 4x^1 + 7) dx$

12. $\int_5^9 (5x^2 + 10x^1 + 3) dx$

13. $\int_3^{10} (1x^3 + 10x^2 + 3x^1 + 3) dx$

14. $\int_0^6 (7x^3 + 10x^2 + 2x^1 + 1) dx$

15. $\int_3^{10} (6x^1 + 6) dx$

16. $\int_1^5 (4x^2 + 8x^1 + 5) dx$

17. $\int_5^8 (9x^3 + 6x^2 + 7x^1 + 10) dx$

18. $\int_1^2 (3x^1 + 7) dx$

19. $\int_0^4 (8x^1 + 9) dx$

20. $\int_0^2 (5x^2 + 7x^1 + 5) dx$



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Answer Key

1. 26633.333

2. 13.667

3. 600.833

4. 416

5. 2250

6. 192

7. 7469.333

8. 4637.333

9. 190

10. 36

11. 9.667

12. 1298.667

13. 5880.583

14. 3030

15. 315

16. 281.333

17. 8750.25

18. 11.5

19. 100

20. 37.333