



Basic Integration Worksheet

1. $\int_1^{10} (8x^1 + 3) dx$
2. $\int_2^3 (9x^2 + 1x^1 + 9) dx$
3. $\int_4^{10} (9x^3 + 5x^2 + 9x^1 + 10) dx$
4. $\int_4^{12} (4x^3 + 6x^2 + 6x^1 + 1) dx$
5. $\int_2^9 (10x^2 + 5x^1 + 3) dx$
6. $\int_0^7 (10x^3 + 3x^2 + 5x^1 + 8) dx$
7. $\int_3^{10} (6x^1 + 5) dx$
8. $\int_2^8 (10x^2 + 10x^1 + 2) dx$
9. $\int_5^{14} (6x^3 + 8x^2 + 10x^1 + 9) dx$
10. $\int_5^9 (10x^3 + 4x^2 + 8x^1 + 4) dx$
11. $\int_4^5 (1x^2 + 4x^1 + 4) dx$
12. $\int_3^7 (10x^3 + 10x^2 + 10x^1 + 4) dx$
13. $\int_2^9 (2x^1 + 4) dx$
14. $\int_3^6 (10x^3 + 4x^2 + 6x^1 + 8) dx$
15. $\int_3^{12} (1x^1 + 6) dx$
16. $\int_4^{12} (7x^1 + 3) dx$
17. $\int_2^7 (9x^2 + 1x^1 + 5) dx$
18. $\int_4^{11} (6x^1 + 1) dx$
19. $\int_0^{10} (9x^2 + 9x^1 + 6) dx$
20. $\int_1^7 (7x^2 + 6x^1 + 4) dx$
21. $\int_4^6 (2x^2 + 7x^1 + 6) dx$
22. $\int_1^2 (4x^1 + 8) dx$



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23. $\int_2^9 (9x^2 + 2x^1 + 8) dx$
24. $\int_1^5 (7x^3 + 7x^2 + 7x^1 + 3) dx$
25. $\int_2^{10} (5x^1 + 3) dx$
26. $\int_3^{13} (2x^2 + 2x^1 + 9) dx$
27. $\int_5^{15} (4x^1 + 6) dx$
28. $\int_3^8 (1x^3 + 10x^2 + 10x^1 + 6) dx$
29. $\int_0^1 (4x^2 + 9x^1 + 2) dx$
30. $\int_4^9 (4x^3 + 9x^2 + 8x^1 + 10) dx$
31. $\int_2^5 (5x^2 + 8x^1 + 9) dx$
32. $\int_2^{12} (6x^1 + 3) dx$
33. $\int_0^7 (4x^1 + 7) dx$
34. $\int_1^2 (3x^3 + 5x^2 + 2x^1 + 8) dx$
35. $\int_1^3 (2x^2 + 1x^1 + 10) dx$
36. $\int_4^8 (8x^2 + 5x^1 + 9) dx$
37. $\int_2^{10} (10x^3 + 9x^2 + 3x^1 + 4) dx$
38. $\int_0^5 (8x^1 + 1) dx$
39. $\int_2^7 (10x^1 + 9) dx$
40. $\int_3^{12} (1x^2 + 2x^1 + 1) dx$



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Answer Key

1.	423	12.	7069.333
2.	68.5	13.	105
3.	23922	14.	3394.5
4.	24200	15.	121.5
5.	2616.833	16.	472
6.	6524	17.	1052.5
7.	308	18.	322
8.	1992	19.	3510
9.	64606.5	20.	966
10.	15885.333	21.	183.333
11.	42.333	22.	14



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| 23. | 2296 | 34. | 33.917 |
| 24. | 1477.333 | 35. | 41.333 |
| 25. | 264 | 36. | 1350.667 |
| 26. | 1696.667 | 37. | 28112 |
| 27. | 460 | 38. | 105 |
| 28. | 2925.417 | 39. | 270 |
| 29. | 7.833 | 40. | 711 |
| 30. | 8610 | | |
| 31. | 306 | | |
| 32. | 450 | | |
| 33. | 147 | | |