



# Basic Integration Worksheet

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



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25.  $\int_2^9 (9x^1 + 4) dx$
26.  $\int_4^7 (6x^3 + 10x^2 + 10x^1 + 7) dx$
27.  $\int_0^3 (3x^2 + 9x^1 + 3) dx$
28.  $\int_1^4 (7x^1 + 7) dx$
29.  $\int_5^8 (10x^3 + 1x^2 + 2x^1 + 3) dx$
30.  $\int_0^8 (5x^3 + 4x^2 + 3x^1 + 5) dx$
31.  $\int_2^{10} (5x^2 + 1x^1 + 6) dx$
32.  $\int_5^8 (7x^1 + 6) dx$
33.  $\int_0^9 (3x^2 + 7x^1 + 4) dx$
34.  $\int_4^{10} (3x^2 + 9x^1 + 7) dx$
35.  $\int_2^7 (9x^2 + 10x^1 + 2) dx$
36.  $\int_2^8 (9x^1 + 5) dx$
37.  $\int_1^8 (8x^2 + 5x^1 + 7) dx$
38.  $\int_3^8 (2x^1 + 2) dx$
39.  $\int_2^{11} (8x^2 + 4x^1 + 1) dx$
40.  $\int_5^{15} (5x^2 + 1x^1 + 1) dx$
41.  $\int_1^{11} (2x^1 + 3) dx$
42.  $\int_0^{10} (1x^2 + 8x^1 + 6) dx$
43.  $\int_2^{11} (2x^2 + 6x^1 + 9) dx$
44.  $\int_2^9 (3x^2 + 7x^1 + 7) dx$
45.  $\int_4^{13} (1x^2 + 9x^1 + 2) dx$
46.  $\int_0^4 (1x^1 + 4) dx$
47.  $\int_2^9 (6x^3 + 5x^2 + 9x^1 + 3) dx$
48.  $\int_1^3 (4x^3 + 2x^2 + 9x^1 + 2) dx$



# Basic Integration Worksheet

49.

$$\int_5^{11} (2x^2 + 10x^1 + 8) dx$$

50.

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



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## Answer Key

1.	426	13.	184.5
2.	207.5	14.	372
3.	174	15.	27590
4.	1809.417	16.	1670
5.	795.417	17.	1021.333
6.	9054.667	18.	169.5
7.	2796.667	19.	351
8.	64260	20.	232.5
9.	2599.5	21.	70.5
10.	51	22.	947.25
11.	17	23.	21.667
12.	3244.5	24.	270



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25.	374.5	37.	1569.167
26.	4333.5	38.	65
27.	76.5	39.	3771
28.	73.5	40.	5526.667
29.	8854.5	41.	150
30.	5938.667	42.	793.333
31.	1749.333	43.	1314
32.	154.5	44.	1039.5
33.	1048.5	45.	1417.5
34.	1356	46.	24
35.	1240	47.	11386.667
36.	300	48.	137.333



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49.

1332

50.

150