



# Basic Integration Worksheet

1.  $\int_4^{14} (10x^2 + 6x^1 + 6) dx$

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

3.  $\int_5^{13} (10x^1 + 8) dx$

4.  $\int_3^4 (9x^1 + 5) dx$

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

6.  $\int_1^8 (4x^1 + 6) dx$

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

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

9.  $\int_0^8 (2x^1 + 4) dx$

10.  $\int_3^{13} (5x^2 + 2x^1 + 6) dx$



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## Answer Key

1. 9533.333

2. 26

3. 784

4. 36.5

5. 138

6. 168

7. 400.167

8. 14

9. 96

10. 3836.667