Definite integrals

Name _____ Date _____

1. $\int_{1}^{4} (3x^3 - 4x^2 - x - 1)\,dx =$ _____

2. $\int_{-2}^{0} (-4x^3 - 5x^2 - 5x + 5)\,dx =$ _____

3. $\int_{2}^{3} (2x + 5)\,dx =$ _____

4. $\int_{0}^{2} (x^3 - 2x^2 - 2x - 4)\,dx =$ _____

5. $\int_{-1}^{1} (2x^2 - 2x + 1)\,dx =$ _____

6. $\int_{1}^{4} (2x^3 + 3x^2 - 3x + 3)\,dx =$ _____

7. $\int_{0}^{1} (2x + 1)\,dx =$ _____

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8. $\int_{1}^{4} (-4x^2 - 3x + 6)\, dx =$ _____

9. $\int_{0}^{3} (3x + 3)\, dx =$ _____

10. $\int_{0}^{3} (x^3 - x^2 - 3x + 6)\, dx =$ _____

11. $\int_{0}^{4} (-2x - 3)\, dx =$ _____

12. $\int_{-1}^{2} (-4x - 2)\, dx =$ _____

13. $\int_{-2}^{3} (3x^3 + x^2 - 4x)\, dx =$ _____

14. $\int_{-1}^{0} (-x^2 - 2x - 3)\, dx =$ _____

15. $\int_{2}^{3} (3x^3 + 4x + 4)\, dx =$ _____