Substitution

Name _____ Date _____

1. $\int \cos(2x)\,dx =$ _____

2. $\int \cos(5x)\,dx =$ _____

3. $\int \cos(3x)\,dx =$ _____

4. $\int \cos(6x)\,dx =$ _____

5. $\int \sin(5x)\,dx =$ _____

6. $\int e^{6x}\,dx =$ _____

7. $\int 4x(x^2 - 4)^5\,dx =$ _____

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8. $\int \cos(3x)\, dx =$ _____

9. $\int \sin(4x)\, dx =$ _____

10. $\int \sin(2x)\, dx =$ _____

11. $\int \frac{2x}{x^2 + 5}\, dx =$ _____

12. $\int 2x(x^2 - 1)^3\, dx =$ _____

13. $\int e^{2x}\, dx =$ _____

14. $\int \sin(3x)\, dx =$ _____

15. $\int \frac{2x}{x^2 + 7}\, dx =$ _____