

DATE: _____

Evaluate the following integrals.

1. $\int (x^5 + 6x^2 + x - 1) dx$

7. $\int (x + e^x) dx$

2. $\int \left(\frac{4}{r}\right) dr$

8. $\int \frac{1}{\sec \theta} d\theta$

3. $\int (\csc^2 t + 3t^2) dt$

9. $\int \frac{e^{2u}}{e^u} du$

4. $\int (8 \cos x) dx$

10. $\int \left(\frac{e^{x+2}}{3}\right) dx$

5. $\int \left(\frac{\sqrt{w}-1}{\sqrt{w}}\right) dw$

11. $\int (x^2 - 5 \cos x) dx$

6. $\int (3e^x + 2x^3 + x^{-1}) dx$

12. $\int (2 \sec \theta \tan \theta - 3 \sin \theta) d\theta$