

DATE: _____

Evaluate the following integrals. Check your answer in your graphing calculator.

1. $\int_1^{e^4} \frac{1}{r} dr$

4. $\int_3^4 (y^2 - 9) dy$

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

5. $\int_1^4 x\sqrt{x} dx$

3. $\int_0^{\pi/4} (8 \cos\theta) d\theta$

6. $\int_1^2 \left(u + \frac{1}{u^2}\right) du$