

Name : _____

1. Evaluate $\int_0^{\infty} e^{-2x} dx$.

2. Evaluate $\int_1^{\infty} \frac{1}{\sqrt{x}} dx$.

3. Evaluate $\int_0^{\infty} \sin^2 x \, dx$.

4. Evaluate $\int_2^{\infty} \frac{1}{x^2 + 2x - 3} \, dx$.