

Applied Calculus – Quiz 10

1. Evaluate $\int_1^4 \left(e^{2x} + \frac{1}{x} \right) dx =$

2. Compute $\int \frac{\ln 3x}{x} dx =$

3. Compute $\int \frac{1}{x \ln x} dx =$

4. Compute $\int x^3 \sqrt{x^4 + 1} dx =$

5. Compute $\int x^2 e^{x^3} dx =$