Quiz 4

Name: ______ Row: _____

1. Find the derivative of the function $y = \ln(e^x + x^2 e^{2x})$.

2. Find the value of x where the function $f(x) = e^{3x} + 4e^{-2x}$ takes its minimum.

3. Evaluate the integral $\int_0^1 \frac{x^2}{x^3 + 2} dx$.