

Applied Calculus – Quiz 10

1. Differentiate: $f(x) = (\ln x)^3 + \ln(x^5)$.

2. Differentiate: $f(x) = \ln(e^{2x} + 3x) + \ln(\ln(\ln 2x))$.

3. Differentiate: $f(x) = 3^{x^5-2x} + \log_3(x^2 + 1)$.