

Quiz 4 Calculus 1 9/28/2007

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Differentiate the function $g(x) = x^2 + \frac{1}{x^2}$.

2. Differentiate the function $y = \sqrt{x}(1 - 5x^2 + x^3)$.