

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 101 - Quiz 5

Name:

Student ID #:

Question 1. Use linearization to approximate $(26.99)^{1/3}$.

Question 2. Find the differential dy of $y = x^2 \sin(2x)$.

Question 3. Find $f'(\ln 2)$ where $f(x) = \frac{1 - \sinh x}{1 + \cosh x}$.