

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 201 – Term 182 – Quiz 1

Name:

Student ID #:

Section #:

Question 1. Sketch the curve $C : r = \theta^2$, $-\pi \leq \theta \leq \pi$ and find the slope of the tangent at $\theta = \pi/4$.

QUESTION 2 IS AT THE BACK.

Question 2. Consider the parametric equation $C: x = t^2 + 1, y = e^t - 1$. Find $\frac{dy}{dx}$ and $\frac{d^2y}{dx^2}$.