

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 201 - QUIZ 1

Name:

Student ID #:

Question 1. Sketch the parametric curve $x = \ln t$, $y = t^2$ by first eliminating the parameter.

Question 2. Consider the parametric curve $x = 2t$, $y = 1 + 2t^{3/2}$.

(1) Find the second derivative at $t = 4$.

(2) Find the length of the curve on the interval $0 \leq t \leq 1$.

Your Solution.