

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 $x = e^t$, $y = t - 1$ by first eliminating the parameter.

Question 2. Consider the parametric curve $x = 3t$, $y = 4t^{3/2}$.

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

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

Your Solution.