King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201   Semester-131   QUIZ I

NAME: S.No.   ID:

Maximum Marks: 10   Section:15   Time Allowed: 20 minutes

(1) Consider the parametric equations $x = 5\ cost$, y $= -4$ sint. Eliminate the parameter t to find a cartesian equation. Sketch the curve and mark the direction in which the curve is traced for $0 \le t \le \pi$.

(2) Find the length of the curve $x = e^t + e^{-t}$, $y = 5 - 2\ t$ $0 \le t \le 3$.

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