King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201   Semester-111   QUIZ II

NAME: S.No.   ID:

Maximum Marks: 15   Section:06   Time Allowed: 25 minutes

(1)Find the area of the region that lies inside the curve $r = 3cos\theta$ and outside the curve $r = 1 + cos\theta$.

(2) Sketch the curve with polar equation $r = 2cos(\frac{\theta}{2})$ $\frac{\pi}{2} \leq \theta \leq 2\pi$.

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