King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201   Semester-112   QUIZ II

NAME: S.No.   ID:

Maximum Marks: 10   Section:04   Time Allowed: 30 minutes

(1)Find the slope of the tangent line to the polar curve $r = 1 - sin\ \theta$ at $\frac{\theta}{6}$.

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

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