

Math-201 Semester-121 QUIZ II

NAME:

S.No.

ID:

Maximum Marks: 15

Section:

Time Allowed: 40 minutes

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

(2) Sketch the graph of the curve $r = 1 - 3\cos\theta$.

(3) Find the points (r, θ) on the curve $r = 1 + \cos\theta$ where the tangent line is vertical.

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