

Math-201 Semester-121 QUIZ II

NAME:

S.No.

ID:

Maximum Marks: 15

Section:

Time Allowed: 40 minutes

- (1) Find the points (r, θ) on the curve $r = 1 + \cos\theta$ where the tangent line is vertical.
- (2) Find the area inside the both curves $r = 3 + 2\sin\theta$ and $r = 2$.
- (3) Sketch the graph of the curve $r = 1 - 3\cos\theta$.