

King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Semester I, 2004-2005(041)
MATH 201
Quiz 1

Student Name: _____

Student ID: _____

Section: _____

1. Sketch the curve $r = 2 \cos 3\theta$ in (x, y) -plane.
2. Find all points on the curve – in $(xy,)$ -plane – $r = a(1 - \cos \theta)$ at which the tangent line is horizontal.