King Fahd Univ. of Petroleum and Minerals
Faculty of Sciences
Department of Mathematical Sciences

QUIZ No. 1
(MATH. 201-071 Sections 3 & 7)

Name:
ID:

Prob.1
Sketch the graph of $r = 4(1 - \cos \theta)$ and setup the integral to find the arc length of this curve

Prob2
Sketch the graph of $r = 4\cos 3\theta$ and setup the integral to find the area enclosed by it