

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS AND STATISTICS
MATH 201 - QUIZ 2

Name:

Student ID #:

Question 1. Find the area of the region inside the circle $r = \cos \theta$ and outside the cardioid $r = 1 - \cos \theta$.

Question 2. Graph the polar curve $r = \cos^2(\theta/2)$ and find its length.

Your Solution.