ING FAHD UNIVERSITY OF PETROLEUM AND MINERALS DEPARTMENT OF MATHEMATICS & STATISTICS MATH 201-04

Quiz # 2 March 17, 2010

ID#:

NAME:

SHOW ALL YOUR WORK		
1.	(3points) $1 + \cos \theta$.	Find all points of intersection of the polar curves $r=3\cos\theta$ and $r=$
2.	(3points) xy -plane.	Find the equation of the sphere with center at $(1, 2, -4)$ and touches the
3.	(4points)	Find the length of the polar curve $r = \sin^2(\theta/2)$ from $\theta = 0$ to $\theta = \pi$.