

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

Name:

Student ID #:

Question 1. Let S be a sphere with center the point C . If S passes through the point $P(-1, 2, -3)$ which is the midpoint of the origin and the center, then find the equation of the sphere.

Question 2. Determine if the triangle whose vertices are $P(-1, 2, 1)$, $Q(3, -1, 1)$, and $R(-1, -2, 3)$ is a right triangle or not and find its area.

Your Solution.