MATH-242 Spring 2010

Quiz #2

Total: _____ / 10

Calculus and Analytic Geometry III

Name: _

The majority of the credit you receive will be based on the completeness and the clarity of your responses. Show all of your work and justify your solutions as much as possible.

This is a 15 minute guiz and has 2 questions, for a total of 10 points

(5 points) 1. Find a nonzero vector orthogonal to the plane containing the three points P(0, -2, 0), Q(4, 1, -2), and R(5, 3, 1).

(5 points) 2. Determine if the points P(-2,1,0), Q(2,3,2), R(1,4,-1), and S(3,6,1) lie in the same plane.