MAT 397   CAL III   Section M005   Spring 2016

Quiz 1

Your Name (please PRINT): _____

Student ID Number: _____

1. Determine whether the points lie on a straight line.

$$A(1, 2, 1), \qquad B(7, 3, -2), \qquad C(2, 3, 3)$$

2. Determine whether the triangle with vertices $P = (2, -1, 0)$, $Q(4, 0, -1)$ and $R(3, 1, 4)$ is right-angled.

3. Describe in words the region in space represented by the inequality.

$$0 \leq z \leq 5$$