

Math 201 Quiz 2

Name_____ id#_____ Serial number_____

Q1) (a) Find the parametric equation of the line of intersection of the planes

$$x + 2y + z = 1, \quad 2x + y + 2z = 0$$

(b) Find the symmetric equations of the line in part (a)

Q2)(a) Find the point of intersection of the lines

$$x = t, y = t, z = t + 1 \text{ and } x = s, y = 2s, z = 1 - s$$

(b) Give the equation of the plane containing the lines given in part (a)