"QUIZ" for Lecture 3

E-MAILSCANNED .pdf OF COMPLETED QUIZ to DrZcalc3@gmail.com (Attachment: q3FirstLast.pdf) ASAP BUT NO LATER THAN Sept. 15, 8:00pm

NAME:

1. Find an equation of the plane that passes through the points (0,1,1), (1,0,1), (1,1,0).

$$b + d = d$$

$$c + b = c$$

$$a + b = c$$

$$a + b = c$$

$$\frac{1}{2}d$$

$$\frac{1}{2}d + \frac{1}{2}d + \frac{1}{2}d = d$$

$$\frac{1}{2}x + \frac{1}{2}y + \frac{1}{2}z = d$$

$$\sqrt{x+y+z}=2$$

2. Find the intersection of the line

$$\mathbf{r}(t) = \langle 1, 1, 0 \rangle + t \langle 0, 2, 4 \rangle$$
 (b) = $\langle 1, 2, 4 \rangle$

and the plane

$$x + y + z = 14 \quad .$$