You can share my answers

"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).

2. Find the intersection of the line

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

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

and the plane

$$r(t) = \langle 1, 1, 0, 7, 4, 4, 0, 1, 2, 1, 4, 7 \rangle$$

$$= \langle 1, 1, 0, 7, 4, 0, 1, 2, 4, 1, 4, 4, 7 \rangle$$

$$= \langle 1, 1, 2, 4, 1, 4, 4, 7 \rangle$$

$$1 + (2t+1) + 4t = 14 \rangle$$

$$6t + 2 = 14$$

$$6t = 12$$

$$t = 7$$