

King Fahd University of Petroleum & Minerals

Department of Mathematical Sciences

Math 201, Section: 15(051)

Quiz-2(a)

Time: 15 Minutes

Marks:...../9

Name:

Serial #:

ID#:

Section #:

Q Let $L_1 : x = 1 + 7t, y = 3 + t, z = 5 - 3t$

$L_2 : x = 4 - t, y = 6, z = 7 + 2t$

Check whether the lines L_1 and L_2 are parallel or skew lines. Find distance between the lines L_1 and L_2 .

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Quiz-2(b)

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Q.1 Find equation of a plane which passes through the points $P(3,2,1)$, $Q(2,1,-1)$ and $R(-1,3,2)$.

Q.2 Find distance between the planes:

$$3x - y + 2z = 6$$

$$6x - 2y + 4z = -4$$