

Math 201-151

Quiz 3

(B)

Name:.....ID#:.....Sec:.....Ser:.....

Q.1: Find distance of $(2, -1, 3)$ from the line $x = 3t - 1$, $y = 2t + 2$, $z = t - 2$.

Q.2: Find equation of a plane passing through $(2, -4, 5)$, $(1, -5, 3)$ and $(-1, -6, 4)$.

Q.3: Find line of intersection of the planes $3x - 6y - 2z = 5$ and $2x + y - 2z = 2$.

Q.4: Find distance of the point $(2, -3, 4)$ from the plane $x + 2y + 2z = 13$.

Q.5: Find point of intersection of the two lines $x = 2t + 1$, $y = 3t + 2$, $z = 4t + 3$ and $x = s + 2$, $y = 2s + 4$, $z = -4s - 1$. Also find plane passing through these two lines.