

Math 201-172

Quiz 5

(A)

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

Q.1: Determine if the lines are parallel, intersection or skew, $x = 1 + t$, $y = -2 + 3t$, $z = 4 - t$

and $x = 2s$, $y = 3 + s$, $z = -3 + 4s$.

Q.2: Find cosine of the angle between the planes $2x - 3y + z = 1$ and $3x + y - 2z = 4$.

Q.3: Find parametric equations of the line of intersection of the planes $2x - 3y + z = 1$ and $3x + y - 2z = 4$. Also find a plane passing through the point $(1, 2, 3)$ and contains the line of intersection.