

Math 251

Quiz 2 September 9, 2016

Name:

By handing in this quiz you assert that you understand and have followed IIT's guidelines for academic integrity.

- (1) Find equations (vector, parametric, or symmetric) for the line that is the intersection of the planes $3x - y + z = 5$ and $x + 2y - z = 4$.

- (2) Find an equation for, and identify by name, the surface consisting of all points P such that the distance from P to the point $(0, 0, 3)$ is twice the distance from P to the x -axis.