Math 225: Calculus III   Name:_____

Quiz 2   *Jan. 30/Feb. 1, 1996*   Section:_____

1. Determine the parametric equations of the line through the point $(5, 3, 1)$ that is perpendicular to the vectors $\bar{\imath} - \jmath + 2$ and $=3\imath-$.

2. Find the equation of the plane through the point $(3, 0, 1)$ that is perpendicular to the line $x = 3 - 2t$, $y = -t$, $z = 4$.