Math 225: Calculus III

Quiz 2 *September 11, 2003*

Name:_____

Section:_____

1. Find the parametric equations of the line through the point $(-1, 3, 7)$ perpendicular to the plane defined by $z = 5 + 2x - y$.

2. The line L_1 given by $x = 1 + t$, $y = 1 + 2t$, $z = 1 + 3t$ intersects the line L_2 given by $x = t$, $y = 2 - t$, $z = 5 - 4t$ at the point $(1, 1, 1)$. Find the equation of the plane that contains the two lines L_1 and L_2.