Math 225: Calculus III
Quiz 3   Sept. 15/17, 1992

Name:_____

Section:_____

1. Find the equation of the plane through the point $(1, -1, 4)$ perpendicular to the line $x = -2 + 5t$, $y = 1 - t$, $z = -3t$.

2. Find a vector tangent to the curve $r = 3\cos(t) \subset + \frac{2t}{\pi} \supset + 3\sin(t)$ at the point $(-3, 2, 0)$.