Math 225: Calculus III
Quiz 3 Feb. 6/8, 1996

Name:
Section:

1. Determine the equation of the plane perpendicular to the curve defined by $r(t)=t e^{t-1} 1+t^{2} \mathrm{~J}+(2-t)$ at the point $(1,1,1)$.
2. Find the the unit tangent vector [1] at $t=1$ for the curve defined by $r(t)=t_{1}+\sin (\pi t)_{\mathrm{J}}-t$.
