

Name: _____ I.D.# _____ Serial # _____

Q1: Find equation of the plane that contains the line $x = 2 - t$, $y = 1 + 2t$, $z = 2t$ and the point $P(1, 0, 1)$

Q2: Identify and sketch the surface $9x^2 - 4y^2 - 9z^2 = 36$

Q3: Find distance between the line $L_1 : x = 1 + 2t$, $y = 1 - t$, $z = 1 + 2t$, and the plane $x + 4y + z = 2$.