Calculus and Analytic Geometry III

Name:

The majority of the credit you receive will be based on the completeness and the clarity of your responses. Show all of your work and justify your solutions as much as possible. This is a 15 minute quiz and has 2 questions, for a total of 10 points

(5 points) 1. Find an equation of a plane through the point (1, -1, -1) and parallel to the plane 5x - y - z = 6.

(5 points) 2. Find the vector function that represents the curve of intersection of the cone $z = \sqrt{x^2 + y^2}$ and the plane z = 1 + y.