

Math 3113 - Multivariable Calculus

Homework #9 - 2006.04.13

Due Date - 2006.04.21

Name: _____

1. There are points on the surface $(y + z)^2 + (z - x)^2 = 16$ where the normal line is parallel to the yz -plane. These points lie on 2 lines, express these two lines in parametric form.

2. Find the two points on the surface $xy + yz + zx - x - z^2 = 0$ where the tangent plane is parallel to the xy -plane.