h 2401 M Feb 7, 2012

 $\operatorname{Quiz} 4$ Time: 15 minutes

1. Express the volume of the parallelepiped formed by the vectors (1,0,0), (1,1,0), (x,y,z) as a function of 3 variables.

2. Compute the partial derivatives of $z = \sqrt{x^2 - 3y}$.

Bonus: Sketch the surface $z = x^2 + y^2$.