Math 2400 Calculus 3, Fall 2014

Homework Set 5

Due: 9/30/14

- 1. Fin a parametric representation for the plane that contains the lines $\vec{r} = \langle 1-t, 2+2t, 5+4t \rangle$ and $\vec{r} = \langle 2t, 4-t, 9+2t \rangle$.
- 2. Find a parametric representation for the part of the sphere $x^2 + y^2 + z^2 = 36$ that lies between the planes x = -3 and x = 3.
- 3. Section 11.1: #6, 22, 44