Quiz 3   Calc 3   11/23/2015

1. Parametrize and give bounds for the portion of the paraboloid $z = x^2 + y^2$ lying above the rectangle with vertices (0,0), (2,0), (2,3), and (0,3).

2. Parametrize and give bounds for the portion of the cylinder with radius 4 centered around the z-axis between $z = 2$ and $z = 10$.

3. Parametrize and give bounds for the top half of a sphere with radius 5, centered at the origin.