Quiz 6

Math 53, section 213

October 29, 2014

1. Use a double integral to find the area of the region of points that lie inside the circle $(x - 1)^2 + y^2 = 1$ and outside the circle $x^2 + y^2 = 1$.

2. Find the surface area of the part of the plane $3x + 2y + z = 6$ that lies in the first octant.