MATH 258 QUIZ OCTOBER 23, 2012
NAME:

1. Find the volume of the solid formed by rotating about x-axis the region enclosed by $y = 1$ and $y = x^2$.

2. Find the volume of the solid whose base is the ellipse $2x^2 + y^2 = 4$ and whose cross sections perpendicular to the y-axis are equilateral triangles.