Math 2260 Quiz 1.5 (Practice)

Name _____

Points will be deducted for untidy or disorganized answers

1. (2 points) Find the volume of the solid that is generated by revolving the region bounded by the lines $3y = 2x$, $x = 0$ and $y = 2$ about the y-axis.

2. (3 points) The base of a solid is the region bounded by the parabolas $y = x^2$ and $y = 2 - x^2$. Find the volume of the solid if the cross-sections perpendicular to the x-axis are squares whose diagonal lie along the base.