# Math 2260 Quiz 1

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 curve $y = x^3$ and the lines $y = 0$ and $x = 2$ about the $x$-axis.

2. (3 points) The base of a solid is the triangular region with vertices (0,0), (2,0), and (0,4). Cross sections perpendicular to the x-axis are semicircles. Find the volume of this solid.