

Name _____

Mathematics 106ABC: Calculus II
Fall Semester 2009
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Quiz #4
September 25

Consider the region in the first quadrant bounded by $y = x^3$, $y = x$, $x = 0$, and $x = 1$.

a) Find the area of this region.

b) Find the volume of the solid formed when this region is revolved about the x-axis.