Name Solutions
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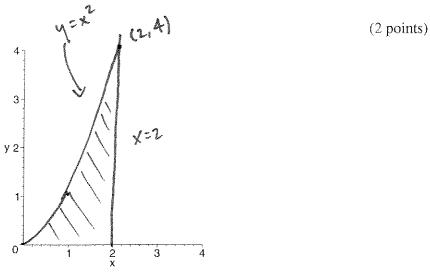
Math 1210-2 Quiz 9

November 30, 2007

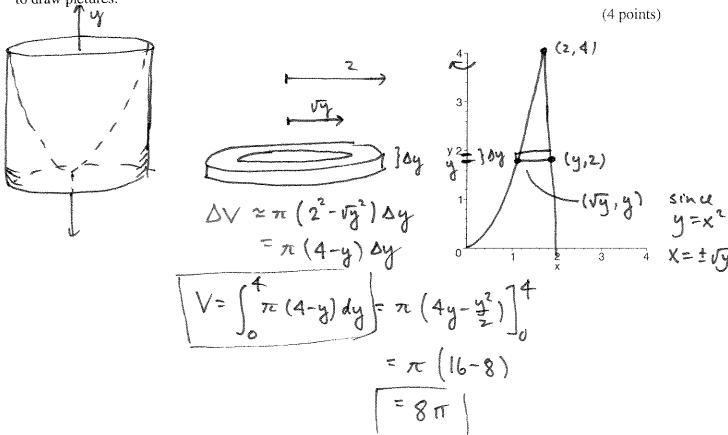
Show all work for complete credit!

1a) Sketch the region in the first quadrant bounded between the x-axis, the vertical line x=2, and the

graph $y = x^2$.



1b) Consider the object created by rotating the region in (1a) about the y-axis. Compute its volume using planar slabs (which are washers in this case). The coordinate axes are provided in case you want to draw pictures.



1c) Recompute the the volume in part (1b), but using cylindrical shells rather than planar slabs.

(4 points)

