
Instructions: *Include all relevant work to get full credit. Write your solutions using proper notations. Encircle your final answers.*

Quiz #21

1. Find the volume of the solid obtained by rotating the region bounded by $y = x^3$, $y = 0$, and $x = 2$ about the y -axis. [5]

2. Find the volume of the solid obtained by rotating the region bounded by $y = x^3$, $y = 0$, and $x = 2$ about the line $x = 2$. [5]