

LAST NAME:

FIRST NAME:

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**Math 65B - Summer 2016**

Quiz 2: Thursday June 9, 2016

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1. (1 point) Find the volume of the region bounded by  $y = x^3$  and  $y = x$  for  $x \geq 0$ , and rotated about the x-axis. (Draw the picture to help set up the problem)

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**Please, show all work.**

2. (1 point) Find the volume of the region bounded by  $y = 4(x - 2)^2$  and  $y = x^2 - 4x + 7$ , and rotated about the y-axis.

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Please, show all work.