MthU242 Calculus II
Northeastern University Professor Gilmore
Quiz #5 Feb. 8, 2007
20 Minutes Name:_____.

Show All Your Work

1. Calculate the arc length along the curve x = $2y^{3/2}$ from y = 0 to y = 7.

2. a. Sketch the finite region bounded by the curve y = $x - x^2$ and the line y = 0.

b. Calculate the volume obtained when this region is rotated about the y axis.

Name:_____.