

Math 232 Spring 2003
Quiz 10 (4/29)

Name: _____

This quiz is worth 10 points and you have 10 minutes to complete it. Show all work and circle your final answers.

Calculators are NOT allowed today.

1. (10 pts) Write down a definite integral for the volume of the solid of revolution described below. Your choice: washers or shells. **Do not solve the integral that you write down.** Your work should include a labeled sketch of the solid in question, as well as a picture of a representative washer or shell.

The region between $f(x) = \sqrt{x}$ and the x -axis on $[0, 4]$, revolved around the line $x = 6$.