

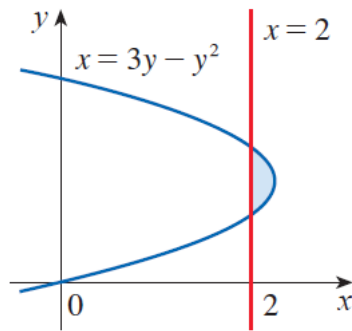
Name :

Student ID :

Department :

Math 101, Calculus 1, Section 3
Quiz 5

1. A solid is obtained by rotating the shaded region about the line $y = 3$.



- Set up an integral using any method to find the volume of the solid.
- Evaluate the integral to find the volume of the solid.

[Exercise 52, on page 394 of your textbook]

Please present the solution using mathematical terminology in a clear and understandable manner. (Grading 10 points.)