Name:	Sort #:	

Worksheet 3 Area Between Curves & Volume by Slicing

MATH 2205, Fall 2018

Area Between Curves

1. Find the area of the shaded region in Figure 1.

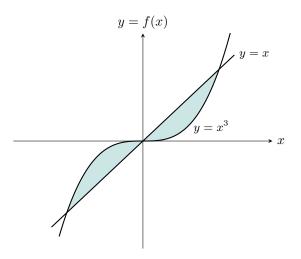


Figure 1

2. Find the area of the shaded region in Figure 2.

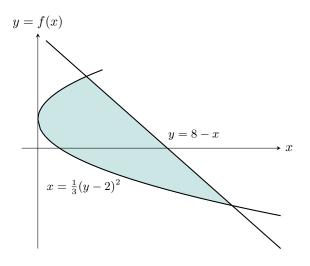


Figure 2

Volume by Slicing

3. Find the volume of the solid obtained when the shaded region in Figure 1 is revolved about the y-axis.

4. Find the volume of the solid obtained when the shaded region is revolved about the y-axis in Figure 3.

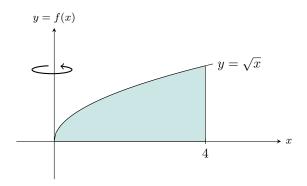


Figure 3