

Name _____

Homework 7

Section 8.1

Note that the importance of this assignment is the *process*. Simply using the appropriate geometric formula that yields the correct volume is not sufficient for credit. Each solution should contain the volume of an individual slice, along with the volume of the entire solid.

1. (6) Number 12 on page 397.

2. (7) Number 28 on page 398.

3. (7) Number 9 on page 397, but use *horizontal* slices, rather than the vertical slices pictured. Do not use the vertical symmetry of the cylinder – i.e. do not simply double the volume of the top half.