Homework 5

Due Monday February 13

Be sure to write your name and section on your homework. Please staple all pages together.

Do the following problems from the textbook:

Section 6.2: 2, 10, 48.

Section 6.3: 2, 5, 11, 39, 40.

Section 7.1: 1, 15, 19.

Cap of Sphere:

(a) Do problem 6.2.49 using the disk /washer method (slices). You can take $r = 1$.

(b) Do this same problem using cylindrical shells. Again, take $r = 1$.

Extra Credit: Problem 67 on page 418 (chapter 5 review problems).