Physics 2011
Fall 2008
Homework #8
Due Wednesday, 29 October at the BEGINNING of class!

For all of these problems, I would like you to state the problem (in your own words), draw any appropriate figures or diagrams, and state your answers in the form of a complete sentence!

Please make a concerted effort to solve these problems symbolically, leaving numbers out until the very last step! Again, this approach may seem harder at first, but the sooner you adopt this technique the better off you’ll be.

Book Problems: Chapter 9, # 20, 24, 50, 53, 68

1. (Extra Credit, +3). Determine the center of mass of a solid hemisphere of radius R.