CMSC/AMSC/MAPL 460 Computational Methods Assignment 4
Due: Before class on 11/03/2005

1. Do the following problems
   - 5.5, 5.7, 5.8, 5.12
   - 6.1, 6.3, 6.6

2. Take your data for problem 6.3 (take n=12) and apply Romberg integration we spoke in class about to get higher order results (go up to order h^8)
3. Compare your results for the same problem applying Gaussian quadrature with 4 and 5 points. The quadrature nodes and weights can be found online (e.g., in the encyclopedia of mathematics by Eric Weisstein).