

Homework 4, due Friday October 4.

1. (20 points) Section 3.2 computer problem 13.
2. (20 points) Section 3.3 problem 7 and computer problem 1.
3. (20 points) Do this problem as a Good Problem, paying attention to the *Layout*, *Flow*, and *Symbols* handouts.  
Section 3.4 problems 7.
4. (20 points) Section 3.4 problem 40.
5. (20 points) Find the purpose, domain, and rate of convergence for the iteration

$$x_{n+1} = \frac{3x_n - x_n^3}{2}.$$