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

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