1. (20 points) Section 6.4 problem 11.

2. (40 points) Section 6.4 computer problem 8.

3. (20 points) Section 6.5 problem 13.
   (There is a typo in the problem: the $k$ should be 2.)
   Also graph $B^2_0(x)$ on $[-1, 4]$ using the nodes \{0, 1, 2, 3\} and then using the nodes \{0, 1, 1.1, 3\}.

4. (20 points) Section 6.6 problem 3.