1. Section 3.3 #5, 7  
   Note: In Problem 7, you might find a use for considering the Maximum and Minimum  
   values in the set \{f(x_1), \ldots, f(x_k)\}.

2. Section 3.4 #7

3. Section 3.5 #6

4. Section 4.1 #11

5. Section 4.2 #6