1. Solve Exercise 5.2-5 in our textbook.

2. Solve Exercise 5.3-3 in our textbook.

3. Solve Problem 7-2, part (a) in our textbook.

4. Solve Exercise 34.2-1 in our textbook.

5. Solve Exercise 34.5-1 in our textbook.

6. Formally prove that CLIQUE is NP-complete by reducing it from the vertex-cover (VC) problem.

7. Solve Exercise 34.5-2 in our textbook.