"Our greatest weariness comes from work not done" - Eric Hoffer

Note: each of these problems (except the extra credit) can be done in half a page.

1. Exercise 25.2-1
2. Exercise 25.2-6
3. Exercise 34.5-1 (hint: to show the problem is NP-Hard, reduce from the problem Clique discussed in lecture)
4. The problem IndependentSet asks: “Does there exist a set of $k$ vertices in a graph $G$ with no edges between them?” Show that this problem is NP-Complete. (hint: to show the problem is NP-Hard, again reduce from Clique)
5. Extra Credit: Problem 25-1
6. Extra Credit: Exercise 25.2-7
7. Extra Credit: Exercise 34.1-5
8. Extra Credit: Problem 34-3