1. Petty Problem 5.4 [10 pts]

2. Petty Problem 5.5 [10 pts]

3. Petty Problem 5.6 [10 pts]

4. Petty Problem 5.8 [15 pts]

5. Petty Problem 5.9 [10 pts]

6. Petty Problem 5.11 [10 pts]