1. (14 points) Section 2.1, exercise 8 (all parts)

2. (15 points) Section 2.2, exercise 16 (all parts). You should justify your answers, but do not need to rigorously prove them.

3. (8 points) Section 2.2, exercise 20

4. (12 points) Section 2.2, exercise 30 (all parts)

5. (8 points) Section 2.2, exercise 48 (a,b)

6. (6 points) Section 2.3, exercise 6 (a,b,c)

7. (12 points) Section 2.3, exercise 16 (all parts)

8. (10 points) Section 2.3, exercise 68

9. (5 points) Section 3.4, exercise 8

10. (10 points) Section 3.4, exercise 24