Write a detailed solution for each of the following problems. Each item is worth 50 points for a total of 400 points.

- Section 2.2, page 35
  Problem 9
- Section 2.5, page 59
  Problem 17
- Section 3.2, page 125
  Problem 15
- Section 4.1, page 198
  Problem 11
- Section 4.2, page 206
  Problem 5
- Section 6.2, page 344
  Problem 17
- Section 7.2, page 408
  Problem 17
- Section 7.3, page 418
  Problem 15