Problem 1 (10 points):

   a) Page 415, Exercise 2.

   b) Page 415, Exercise 3.

Problem 2 (10 points):
Page 416, Exercise 5.

Problem 3 (10 points):
Page 419, Exercise 9.

Problem 4 (10 points):
Page 421, Exercise 14.

Problem 5 (10 points):
Page 425, Exercise 19.