Problem 1 (10 points):
Page 505, Exercise 1 a.

Problem 2 (10 points):
Page 505, Exercise 1 b.

Problem 3 (10 points):
Page 505, Exercise 2.

Problem 4 (10 points):
Page 507, Exercise 7.

Problem 5 (10 points):
Page 513, Exercise 17. (Hint: Hamiltonian PATH)