Problem 1 (5 points). Sipser, exercises 1.11, 1.14 p. 85.

Problem 2 (8 points). Sipser, exercise 1.18 p. 86, languages b, e, k, n.

Problem 3 (9 points). Sipser, exercises 1.29b p. 88 and 1.46a,c p. 90.