CSci 3501 Assignment 7
Due Friday, October 31 in class

Problem 1 (8 points). Sipser, exercise 1.7 b, c, e, g p. 84.

Problem 2 (9 points). Sipser, exercises 1.8a, 1.9b, 1.10a pp. 84-85. For problem 1.9b note that the empty set language does not contain any strings, even the empty string. What NFA recognizes this language? Carefully follow the steps for constructing the concatenation NFA. Write a 1-2 sentence explanation of your result.

Problem 3 (6 points). Sipser, exercises 1.11, 1.14 p. 85.

Problem 4 (12 points). Sipser, exercise 1.18 p. 86, languages a, b, e, f, k, n.

Problem 5 (4 points). Sipser, exercise 1.19 a, b p. 86.