CS 381	**Introduction to Theory of Computing**	Quiz 8
Summer 2000		June 6, 2000

Write your name in the space below. Failing to do so may result in not recording the points you earn for this quiz.

Consider the regular expression $a(b^* + a)$:

1. Apply the algorithm given in class to generate an NFAε N s.t. $L(N) = L(a(b^* + a))$.

2. (2 points) Give an NFA with no ε-transitions accepting $L(a(b^* + a))$. Solve the problem by "eyeballing"!

(Over, please)

3. (2 points) Give a DFA accepting $L(a(b^* + a))$, possibly by modifying the automaton abtained in problem (2). Solve the problem by "eyeballing"!