CS 381	**Introduction to Theory of Computing**	QUIZ 5
SUMMER 2000		JUNE 1, 2000

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

1. Give the diagram of a DFA M_1 that accepts the set of strings in $\{a, b\}^*$ containing at least two a's.

2. Give the diagram of a DFA M_2 that accepts the set of strings in $\{a, b\}^*$ containing the substring ab.

3. (3 points) Give a DFA M_3 s.t. $L(M_3) = L(M_1) \cup L(M_2)$.