CS 381 **Introduction to Theory of Computing**	Summer 2002
Quiz 1	May 24, 2002

Write your name here: _____

1. Consider the following DFA with $\Sigma = \{a, b\}$.

(a) Fill in the blank: $Q = \{$_____$\}$

(b) Complete the following table to show all transitions. Also indicate the start and final states.

	a	b
0		
1		
2		

(c) Fill in the blank: $\hat{\delta}(2, aba) =$ _____

(d) Describe (formally or in words) the language accepted by this DFA.

2. True or False: If a DFA has no final states, the language it accepts is $\{\epsilon\}$.