EECS20n, Quiz 1, 9/26/01

The quiz is to provide feedback to you and to me about how well you've followed the material so far. It is primarily testing your familiarity with the notation. The quiz will take 15 minutes. Write your reponse on the sheet.

Please print your name here:

Last Name	First		_ Lab	
Consider a state machine given by				
(States, Inputs, Outputs	s, update, initialSt	rate)	
where				
Stat	$tes = \{x \in Reals \mid x = tes =$	$= n \cdot \pi \wedge n \in \{1, 2\}$	$2,3\}\},$	
Outputs	$=$ States $\cap \{x \in Reals\}$	$s \mid x = n \cdot \pi \wedge n \in$	E Naturals $\},$	
Input	$s = Naturals \cap \{1, 2, 3\}$	$3,4,5\} \cap \{-1,0,$	$1, 2, 3\},$	
$\forall s \in St$	ates, $x \in Inputs$, up	$odate(s,x) = (x \cdot$	π , s), and	

 $initialState = \pi.$

Draw the state transition diagram.