

Name: _____

Quiz 3

Foundations of Computer Science
Fall 2007

1. Draw a state diagram for a **deterministic** finite automaton that recognizes the language described by the regular expression $(ab)^*(ba)^*$.

Another one on the back!

2. Draw a state diagram for a **nondeterministic** finite automaton that recognizes the language described by the regular expression $(ab)^*(ba)^* \cup aa^*$.