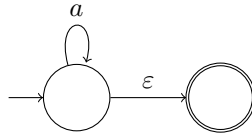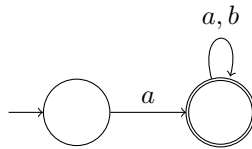# Math 3342 Homework #4 extra problems

Question 1. Find a formula for the language of the NFA, and then prove that these strings are accepted.

Question 2. Find a formula for the language of the NFA, and then prove that these strings are accepted.

Question 3. Give an NFA for the language $\{ab^n a\}$, and prove that these strings are accepted. (You will need to prove a Lemma.)