COSC 312
Homework Assignment 3
\ Submission Format: docx, tex or pdf to
Canvas Points: 1(30), 2(10); total = 40

Name: _____   Netid: _____

1. Construct DFAs for each of the languages below and provide complete state
   diagrams that illustrate their operation. Assume the alphabet Σ = {0,1}.

   a. {w|w begins with a 1 and ends with a 0}
   b. {w|w contains at least two 1s}
   c. {w|w contains the substring 1011}

(over)

2. Provide the state diagram of a DFA that is equivalent to the NFA below: