1. Considering the following deterministic finite automata (DFA)

(a) which of the following strings is accepted by this DFA (there may be more than one)?
   10010, 0101110, 10011011, 011011000, 10101110010, 001001001

(b) Briefly describe the language of this DFA in words. Which kind of inputs are accepted?

2. Give DFAs accepting the following languages over the alphabet $\Sigma = \{0, 1\}$ using both transition diagram (graphical) and transition table (tabular) representations:

   (a) The set of all strings ending with 00
   (b) The set of all strings that have 011 as a substring (strings that contain 011 at some place)