1) Grading:
   1 pt label states
   1 pt label start
   1 pt label final states
   2 pt all transitions

2) Grading:
   1 pt label start
   1 pt label final states
   1 pt State labels
   1 pt each for transitions out of each state.

3) a) \( (1^* \cup (01^*0))^* \)

   b) \( (0 \cup 10)^*(\varepsilon \cup 1) \)

   Grading
   2 pts - only allowing strings with even number of 0s and some 1s
   3 pts - allowing all strings in the language

   2 pts - not allowing consecutive 1s.
   3 pts - allowing all possible strings in the language.