1. True/False: The final counts exactly 20 percent of the grade.

2. True/False: Each of the following three things is different: the empty language, the empty string, and the language containing just the empty string.

3. True/False: isiZulu is a language.

4. True/False: An accept trap would be useful in an FA that accepts all strings that do not contain some list of substrings.

5. True/False: According to the slides for the textbook, a (deterministic) FA can be formally defined by a 5-tuple \((Q, \Sigma, q_0, T, \delta)\).

6. Which one of the following languages cannot be accepted by a deterministic FA that has exactly two states?
   (a) all binary strings
   (b) all binary strings contains 0
   (c) all binary strings of odd length
   (d) all binary strings starting with a 1

7. True/False: There exists a regular language whose smallest FA requires exactly 2021 states.

8. True/False: There exists a regular language whose smallest RE requires exactly 2021 characters.