You may have a "Cheat Sheet" with definitions and results (theorems, etc.) on it. It may not contain worked examples.

- 1. True/False questions
- 2. Question about the relationship between various types of languages.
- 3. Question about identifying regular expressions, DFAs, NFAs, GNFAs, languages, etc.
- 4. Let $A = \{w \mid < insert some criteria here > \}$. (1-2 of this type with 1-2 of the following parts.)
 - a. Give a regular expression that describes A.
 - b. Give a DFA that recognizes A.
 - c. Give an NFA that recognizes A.
 - d. Give a DFA that recognizes A^* .
 - e. Is A a regular language? Prove your assertion.
- 5. Let $R = \langle insert\ regular\ expression\ here \rangle$. (1-2 of this type with 1-2 of the following parts.)
 - a. Give a DFA that recognizes L(R).
 - b. Is L(R) a regular language? Prove your assertion.
- 6. Let A and B be regular languages. Prove that *C*=<*insert some language that somehow combines A and B here*> is a regular language.