Big Picture Review
1. Why are we interested in finite automata and regular expressions?

2. What is the significance of proving a language is regular?

Regular Languages
3. Prove the following language is regular using a regular expression. (Exercise 1.18)

Nonregular Languages
4. State the pumping lemma for regular languages.

5. Give the “general pattern” for using the pumping lemma to prove a language is nonregular.

6. Prove the following language is not regular. (Exercise 1.29)