1. True/False: Every finite language is regular.

2. True/False: Every regular language is finite.

3. True/False: A nondeterministic FA without \( \varepsilon \)-transitions is guaranteed to halt.

Consider the following nondeterministic FA:

![Diagram of a nondeterministic FA]

4. Which of the following strings is accepted by the FA?
   - (a) 0011
   - (b) 1111
   - (c) 1001
   - (d) 1100

5. Describe in succinct English the language of the FA.

6. If one converts to a DFA using class algorithm, which of the following appears as an accept state?
   - (a) A
   - (b) BC
   - (c) BD
   - (d) None of the above

7. If one converts to a DFA using class algorithm, which of the following is NOT a state?
   - (a) AB
   - (b) AC
   - (c) AD
   - (d) All of the above