CSE 105 Review Quiz 1

This is an *individual* review quiz. You should not discuss questions or share answers with other students in the class. If you are unsure about the correct solution for a question, review the book and the lecture. If you are still unsure, make an educated guess.

Scores translate to participation points as follows:
4 or 5 points = 2 participation points
2 or 3 points = 1 participation points
0 or 1 points = 0 participation points

The deadline is Friday October 4 by midnight.

* Required

1. Email address *

2. First Name *

3. Last Name *

4. UCSD PID *

5. Q1. Which of the following are languages over the alphabet \{a, b\} (select all that apply)? *

   * Check all that apply.
   - ab
   - \{a\}
   - \{a, aa, aaa, aaaa\}
   - \{b, a\}
   - the empty set
6. **Q2. Which of the following strings does this DFA accept? Select all that apply.** *
7. Q3. How many different strings does this DFA accept? *

Mark only one oval.

☐ None
☐ 1
☐ 2
☐ 3
☐ All of them

8. Q4. Some DFAs can recognize more than one language. *

Mark only one oval.

☐ True
☐ False

9. Q5. All finite languages are regular. *

Mark only one oval.

☐ True
☐ False