

1. (1 pt.)

- This *quick check* is **closed book, notes, etc.**
- You may use a 3 in. × 5 in. **reference card**, *hand-written by you*.
- Use the **classroom and textbook conventions** and terminology.

Read the above carefully; then write your name below:

2. (6 pts.) In the context of a recent newsgroup thread on “almost regular” languages:

- (a) How were *almost regular* languages defined?
- (b) What was the main claim or question in the initial posting?
- (c) What was the answer provided in a response?

3. (2 pts.) What is the type (signature) of the transition function of a Turing machine?

4. (1 pt.) What are the restrictions on the tape alphabet of a Turing machine?