

1. (1 pt.)

- This *quick check* is **closed book, notes, etc.**
- You may use a 3 in.  $\times$  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. (3 pts.) Describe the main task included in the most recently posted newsgroup-homework (Homework 0.0030).

3. (2 pts.) Chapter 4 offers three methods for solving recurrences; state their names.

4. (2 pts.) State the *name* and *asymptotic complexity* of the *fastest* algorithm (related to arrays) described in Section 4.1.

5. (2 pts.) Repeat Question 4 for the algorithm (related to matrices) of Section 4.2.