

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. (1 pt.) Saying that a pattern P occurs with shift s in text T is equivalent to saying that P occurs beginning at position _____ in text T .

3. (6 pts.) State

- (a) the *names* of any two of the four string-matching algorithms mentioned at the beginning of the chapter and
- (b) the asymptotic *preprocessing time* and *matching time* for each of the above two algorithms.

4. (2 pts.) Explain the meaning of the textbook's notation

$$w \sqsubset x$$

in the context of string matching.