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. (3 pts.) In the context of Chapter 15 of the textbook, what does LCS stand for? (Provide the unabbreviated name.)

3. (3 pts.) In the textbook's description of LCS, what does the notation $c[i, j]$ denote? (Explain in one or two sentences.)

4. (3 pts.) If X is a sequence of length n then what is the number of subsequences of X (as a function of n)? (You do not need to justify your answer, but may.)