1. (1 pt.)

   - This *quick check* is **closed book, notes, etc.**
   - Use the **classroom and textbook conventions** and terminology.

   Read the above carefully; then write your name below:

2. (6 pts.) In a B-tree (textbook's variant) with parameters M and L: [fill in the blanks as precisely as possible]

   (a) All non-leaf nodes, except the root, have between _____ and _____ children.

   (b) All leaf nodes have between _____ and _____ data items.

   (c) Values for M and L are selected such that a node fits in

   _____ .

3. (3 pts.) What does the insertion algorithm do if a new item needs to be inserted into a leaf node that is full?