

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:

Fill in the blanks **as precisely as possible** based on the assigned reading.

2. (2 pts.) The skew heap is a _____ -ordered binary tree.
3. (2 pts.) The skew heap supports all operations in _____ amortized time.
4. (2 pts.) The *decreaseKey* operation is implemented by detaching a subtree from its parent and then _____
5. (2 pts.) In the analysis of the skew heap, the *potential function* is [define it]

6. (1 pts.) In the analysis of the skew heap, a node is called _____ if the size of its right subtree is larger than the size of its left subtree.