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. (3 pts.) How many trees are maintained in the top-down pass used by top-down splay trees? What are they called (by the textbook)?

3. (2 pts.) How are the above trees combined at the end of a top-down pass to yield a single tree?

4. (2 pts.) In the context of the analysis of bottom-up splaying, how is the *rank* of a node defined?

5. (2 pts.) State one significant advantage and one significant disadvantage of splay trees as compared with red-black trees.