Instructions.   Write all answers clearly on one piece of paper, and put all group members' names on the top of the paper. If you talk, you must do so **very quietly**!

1. What is a *proper* subgroup of a group?

2. What is the *trivial* subgroup of a group?

3. What is the key test (besides checking for non-emptiness) in the finite subgroup test?

4. What is the *center* of a group?

5. For a group G and an element a of G, what is the meaning of $\langle a \rangle$?