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, precisely, is a permutation on a set A?

2. (True/False) When a permutation is composed with a second permutation having the same domain, the result is a permutation.

3. What is meant by the *permutation group* for a set A?

4. Name or otherwise describe two types of notations we use for permutations.