

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 Cayley's Theorem?
2. What does "operation preserving" mean for a group isomorphism?
3. Can an Abelian group be isomorphic to a non-Abelian group?
4. (True/False) $U(10)$ and \mathbb{Z}_{10} are isomorphic.