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. Name the two types of symmetry groups introduced in Chapter 1.
- 2. Do all of the pairs of dihedral symmetries of the square commute (under composition)?
- 3. What is the purpose of a Cayley table of the set of motions of a plane figure?
- 4. Give an example of an object which might have a D_5 dihedral symmetry group.