

Point group identification

Each group will bring to class one three-dimensional object to be used by the class for point group identification. In addition, each group should include a single page listing any details to be simplified in point group assignment (for example, stitching may be considered a solid line, or writing could be ignored). This should be written as clearly as possible, and list the group members' names.

Each group will attempt to determine the point group of all objects. The group that brings in the object that is identified correctly by the smallest number of other groups will win a prize. They must, when turning in the answers, identify the object that they brought.

Each group should try to assign the point group of their own object correctly: this is used separately as a tiebreaker.

goals: bring in the most difficult object; answer as many correct as possible.

logistical issues:

- 4-6 people per group: difficult to do more than 8 objects in class time
- in class, set up all objects in a circle, so that groups rotate. We leave 4 minutes for each object, and blow a whistle to indicate that groups should move to the next object.
- need a prize for the group that does the best.
- groups must identify the object that was theirs.
- the attached pdf file gives a sample answering sheet for the students.

Point Group Identification

Group members:

Point group of your object (you can use the 4 minutes at your object for this assignment):

Attempt to determine the point group of all the objects. You will have 4 minutes for each object. Put an X next to your own object, and list its point group above instead of below.

1:

5:

2:

6:

3:

7:

4:

8: