

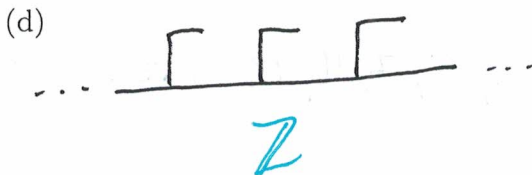
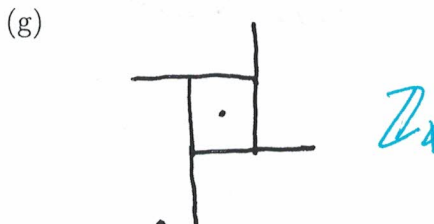
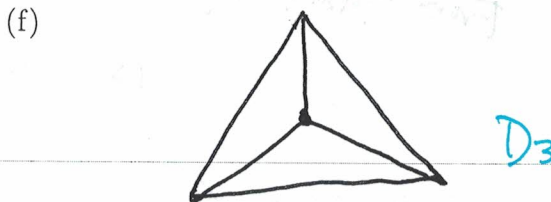
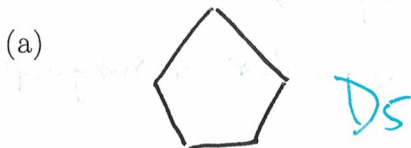
MATH 113, QUIZ #5

SEPTEMBER 24

1. Consider the symmetry groups of each of the following objects. Each object has a symmetry group which is isomorphic to a familiar group – your task is to figure out which one. No justification needed.

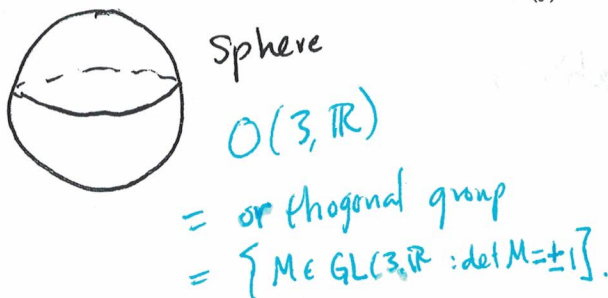
Answer Bank (answers may be used more than once or not at all)

- any \mathbb{Z}_n (say which n)
- any D_n (say which n)
- Klein-4 group
- S_4
- S_5
- S_6
- \mathbb{Z}
- \mathbb{Q}
- \mathbb{R}

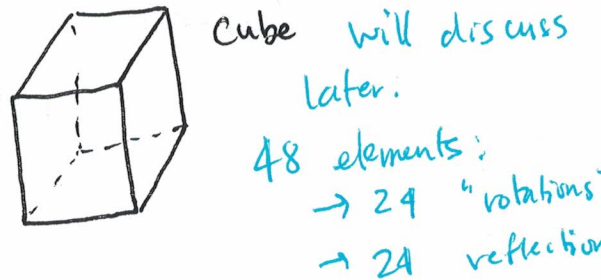


Challenge/bonus (e)

Answers might not be in answer bank.



(j)



2 each