

IGMO 2022 Round 2 Day 1

2nd July 2022



Question	Points
1	7
2	7
3	7
Total	21

Instructions:

1. This examination contains 2 pages, including this page.
2. You have **4 hours 30 minutes** to submit your solutions starting from when you accessed the paper. The question paper access and submission links are unique. Do **NOT** share them.
3. Submit your answers in the form that came with the E-Mail. If your solutions are written, you are asked to scan your answers using CamScanner or TapScanner. If your solutions are typed using L^AT_EX(not recommended), then you are asked to send the solutions to **each** question as a separate PDF (or a screenshot of each answer) in the corresponding submission section.
4. You are **ONLY** allowed a 4 function calculator. Simply stating answers will not give you points, you have to provide full proofs for each problem. You can submit multiple times, and only the latest submission (within the 4.5 hour time period) will be marked.
5. There is a live clarifications Google Doc that will be updated with clarifications regarding the wording of questions. If you are confused by the wording of a question, check [this document](#). If you do not find the clarification here, message Creative Math on discord.
6. You are not allowed to disclose any questions on any online forums until 04:30 GMT 4th July. Do not participate or attempt the paper along with someone else, each contestant should be individual.

