

Math 130 Independent project grading rubric

Recall that, as described on the independent project assignment (find it here: <https://math.berkeley.edu/~kpmann/Independentproject.pdf>), this project is worth 15% of your final grade, the oral presentation is 5% and the written portion 10%. Here are the criteria that I will use to evaluate your work.

I. Oral presentation

a) Content (3/5)

- Appropriate choice of material given the time constraint
- Mathematical concepts (examples, theorem statements, etc.) explained correctly
- Sufficient definitions, illustrations and/or motivation is given
- The mathematical material is at a level appropriate for math 130 students to understand

b) Clarity and delivery (2/5)

- Board writing is clear and large enough. (Same for diagrams/pictures if you draw any.)
- Speaking is clear and well-paced, the presenter faces the audience rather than the board when possible
- Concepts are clearly and concisely explained
- The presentation appears rehearsed and is within the time limit.

(note: it is okay – in fact I encourage you – to have some written notes with you while you present. But ideally, you should not have to look at them very much!)

II. Written report

a) Mathematical content (3/10)

Is the mathematics consistent and correct? Is it at a level of sophistication appropriate for this class? Are topics and ideas introduced with sufficient explanation? If there are pictures, figures or examples, are they accurate, appropriately used and do they support the text?

b) Clarity of mathematical exposition (3/10)

Are topics presented in a logical order? Does the paper achieve an appropriate balance of conciseness and explanation? Are complicated parts/proofs (if any) broken into steps?

c) Style (3/10)

Is the paper clearly written, in paragraph form? Is the grammar, spelling, and sentence construction correct? Does the introduction serve its purpose? Is the paper readable, does it flow?

d) Drafts (1/10). Did you bring a written draft on Thursday? Did you hand in a project proposal?