

Final Project

HAND IN AT THE BEGINNING OF CLASS.

Make of a map of the territory of discrete mathematics.

- Include each of the topics we have covered in class, and each topic in the text.
- Include the defining characteristics of each separate topic: the domain, the axioms, the essential idea.
- Pay particular attention to the relationships between topics.
- Order your map so that it clearly displays which topics are subsumed by (or are subsets of, or "inherit the characteristics of") other topics.
- Distinguish between old and new topics, between topics that are well understood by the mathematical community and those that are still evolving rapidly.
- Next, assign to each topic and to each collection of defining characteristics, three rating values:
 1. *your understanding* of the topic or characteristic
(0= no understanding at all, 10 = total and complete understanding)
 2. *your confidence* in the above understanding rating
(0 = no confidence, 10 = complete confidence)
 3. *the importance* of the topic to you
(0 = completely irrelevant, 10 = completely relevant and important)
- You may want to extend your map with topics that you consider to be part of discrete math, but were not covered in class.
- *ONE PAGE* only please.