

Geometry Outline

Chapter 1 Points and Lines

Write a page of notes for each section in the chapter. These will be collected for a grad at the end of the chapter. Notes are graded on organization, completeness, and accuracy. Each section should have these headings:

1. **Title** and **section** number
2. **Goals:** Look at the examples, find the verbs, and describe what we should be able to do after this section.
3. **Tools:** Write any important definitions, theorems, or techniques.
4. **Procedure:** Show the steps in an example problem. Explain the procedure to yourself.
5. **Errors:** After you have done and checked the homework, analyze the kind of mistakes you make. Write yourself notes and reminders about how to avoid these mistakes.

section	date	objectives	quizzes
1		Draw discrete lines Given a property of points and lines decide whether it is true or false for discrete geometry. Model real situations with discrete geometry.	
2		Given a property of points and lines, decide whether it is true or false in synthetic geometry. Apply the definition of distance to real situations. Determine distance on a number line.	
3		Given a property of points and lines decide whether it is true or false for coordinate geometry. Graph points and lines in the coordinate plane.	
4		Analyze networks. Given a property of points and lines decide whether it is true or false for graph theory. Model real situations with graph theory.	Quiz 1-3 24pts
5		Make and analyze perspective drawings.	
6		Give the dimensions of figures and objects. Recognize the use of undefined terms.	
7		Recognize the use of postulates.	Quiz 4-6 27pts
8		Recognize and use notation for lines, segments, and rays. Apply the Distance Postulate properties of betweenness.	
Review		Chapter Review Problems. 20points Chapter outline 20points	Test 100pts