

Chapter 9 Outline Geometry—3D Figures

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.

Unit	Date	Objectives	Assessment
1		Points Lines and Planes in Space Use the properties of planes	
2		Parallel and Perpendicular Lines and Planes Draw common 3D shapes Use properties of planes	
3		Prisms and Cylinders Draw prisms and cylinders Calculate lengths and areas of prisms and cylinders Recognize prisms and cylinders in common objects	
4		Pyramids and Cones Draw pyramids and cones Calculate lengths and areas in pyramids and cones Recognize pyramids and cones in common objects	
5		Spheres and Sections Draw spheres and sections of 3D objects Calculate areas and lengths in spheres Recognize 3D objects	Quiz 1-4 18pts
6		Reflection Symmetry in Space Determine symmetry planes in 3D objects	
7		Viewing Solids and Surfaces Give views of 3D objects from front, side and top. From 2D views determine the 3D object	
8		Making Surfaces Make a surface from a net and conversely	Quiz 5-7 16pts
9		Chapter Review and Notes	Chapter Test 100pts