

Geometry Assignments

Note: “eoo” means “every other odd” problem. Items in **bold** are for advanced track students.

Assignments below are not mandatory for every student. Adjustments are allowed for a variety of reasons, including time constraints. Contact Dana@chalkdust.com with questions or comments.

Since organizational skills contribute to student success in math, I encourage students to organize assignments using the guidelines below. You are welcome to alter the guidelines as you wish, but thought you’d like to know what I do in a classroom environment.

1. Place homework on lined paper, either loose leaf or in a notebook.
2. Place your name and the section number at the top of each page.
3. Work on one side of each sheet of paper.
4. Show all work necessary to complete each problem, including a diagram wherever applicable.
5. Problem numbers should appear in the left margin and the problem should appear to the right.
6. Copy each problem as it appears in the text except for word problems.
7. Problems must be in sequential order and arranged vertically.
8. Use only a pencil.
9. A second column may be used on a page by drawing a second margin line (with a ruler) down the middle of the page.

Chapter review exercise problems are not specifically listed. Students should be assigned the task of reviewing for the test independently by looking at each problem in the review exercises. If the method of working a problem is obvious and the skill involved need not be practiced, move to the next problem. If the method of solution is not obvious, copy the problem, work it out, and check the solution in the solutions guide. If the technique described above is not working, assignments for the review exercise problems will be provided upon request.

Chapter 1

- 1.1 odd-numbered problems, 1-55
- 1.2 1-4, 5-45 odd
- 1.3 1-13, 14-32 even
- 1.4 1-15, 16-30 even, **31, 33, 36, 38**
- 1.5 1-16, 23-26, **27-35 odd**
- 1.6 1-4, 5-9 odd, 10-16, 19, **20-26**
- 1.7 1-21, **22-28**

Remember: students are allowed to refer to lists of definitions, postulates, and theorems when working proofs on homework and on tests. Students should have their own lists, but postulates and theorems appear in Appendix B of the textbook.

Proofs may be completed correctly in a variety of ways. When uncertain about the correctness of a proof, send your proof to tech support for checking.

Do not expect to complete all proofs correctly the first time. Make liberal use of the solutions guide and consider how you might have thought through the problem to get it right. Come back to missed problems later and try them again.

Chapter 2

- 2.1 1-17, 19-20, 25, 30, 32
- 2.2 1-8, 11-14, **15-22**
- 2.3 1-18, 19-27 odd, 33
- 2.4 1-10, 11-27 odd, **28-44 even**
- 2.5 1-20, 21-29 odd, **31-37 odd**
- 2.6 1-24, **25-32**

Chapter 3

- 3.1 1-4, 6-12, 13-31 odd, **32-40 even**
- 3.2 1-13, 15-25 odd, **26-36 even**
- 3.3 1-12, 13-31 odd, **33-41 odd**
- 3.4 1-12, 15-25 odd, **31-39 odd**
- 3.5 1-22, **23-37 odd**

Chapter 4

- 4.1 1-17, 19-23 odd, **27, 29, 31, 35**
- 4.2 1-14, 19-23 odd, **29-33 odd**
- 4.3 1-14, 15-27 odd, **29, 31, 38, 39**
- 4.4 1-5, 7, 8, 11-17, **27, 34-36**

Chapter 5

- 5.1 1-4, 5-11 odd, 15-27 odd, **33-35**
- 5.2 1-5, 9-20, 21-27 odd, 29-35 odd
- 5.3 1-12, 13-21 odd, **23-37 odd**
- 5.4 1-10, 11-31 odd, **38-40**
- 5.5 1-14, 15-25 odd, **27-33 odd**
- 5.6 (optional) 1-9, 11-23 odd

Chapter 6

- 6.1 1-10, 13-18, 25-31 odd
- 6.2 1-10, 13-21 odd
- 6.3 1-14, 15-23 odd, **25-31 odd**
- 6.4 1-17, **19-29 odd**
- 6.5 1-10, 11-19 odd, 23-29 odd, **34-38**

6.6 1-14, 15-25 odd, **27-37 odd**

Chapter 7

7.1 1-4, 9-20, 23-29 odd

7.2 1-10, 13-21 odd, **27-39 odd**

7.3 5-27 odd, **29, 31**

7.4 1-15, 17-27 odd, **33-39 odd**

7.5 1-17, 25, **27, 31, 38**

Chapter 8

8.1 1-10, 16-21, **23-29 odd, 33-37 odd**

8.2 1-11 odd, 16-19, **21-31 odd**

8.3 3-11, 13-19 odd, **22-30 even**

8.4 (optional) 2-8 even, 13-20, **17-31 odd**

Chapter 9

9.1 1, 2, 3a,b, 4, 7a,b – 10a,b, 20-23, **35-39 odd**

9.2 1-33 odd

9.3 (optional) 1-16, 17-21 odd, **23-27 odd**

9.4 (optional) 1-7 odd, **9-15 odd**

9.5 1-41 odd

Chapter 10

10.1 1-35 odd

10.2 1-31 odd

10.3 1-31 odd

10.4 1-31 odd