

# Geometry 6e Assignments

(revised November, 2018)

Note: 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](mailto: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.

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 1

- 1.1 1-55 odd
  - 1.2 1-45 odd
  - 1.3 1-31 odd
  - 1.4 1-37 odd, 43, 45
  - 1.5 1-15 odd, 23, 25, 27-35 odd
  - 1.6 1-27 odd
  - 1.7 1-23 odd, 27-31 odd
- Review Exercises: 5-37 odd  
Test: page 64 1-23 odd

## Chapter 2

- 2.1 1-19 odd, 27, 33, 35
  - 2.2 1-9 odd, 17, 21, 25-29 odd
  - 2.3 1-17 odd, 21-29 odd, 35
  - 2.4 1-47 odd
  - 2.5 1-27 odd, 31-37 odd
  - 2.6 1-31 odd
- Review Exercises: 1-23 odd, 27, 29, 31, 37, 39, 41  
Test: page 119 1-17 odd

## Chapter 3

- 3.1 1, 3, 7-25 odd, 29, 33-39 odd
  - 3.2 1, 3, 7, 11, 13, 15, 19-25 odd, 29, 33-39 odd
  - 3.3 1-31 odd, 35, 39, 41, 43
  - 3.4 1-11 odd, 15-25 odd, 31-39 odd
  - 3.5 1-25 odd, 29-35 odd
- Review Exercises: 3, 7, 11, 15-23 odd  
Test: page 167 1-9 odd, 13-17 odd

## Chapter 4

- 4.1 1-27 odd, 35, 37, 41
  - 4.2 1-13 odd, 19, 29, 37
  - 4.3 1-19 odd, 25, 39, 41
  - 4.4 1-17 odd, 27, 35, 37
- Review Exercises: 1-13 odd, 35  
Test: page 207 1-5 odd, 7a, 9-15 odd

## Chapter 5

5.1 1-11 odd, 15-29 odd, 37

5.2 1-27 odd, **29, 31, 35**

5.3 1-23 odd, **25, 27, 29**

5.4 1-31 odd

5.5 1-21 odd, **27-33 odd**

5.6 (optional) 1-17 odd

Review Exercises: 1-15 odd, 19-25 odd, 31, 35, 37

Test: page 264 1-7 odd, 11, 17

## Chapter 6

6.1 1-9 odd, 13-17 odd, 25-29 odd

6.2 1-9 odd, 13-17 odd

6.3 1-11 odd, 17-21 odd, 25

6.4 1-9 odd, 15, 17, **19-29 odd**

Review Exercises: 1-9 odd, 15, 17, 21, 23abc

Test: page 307 1-11 odd

## Chapter 7

7.1 1-19 odd, 27-33 odd, **37, 41**

7.2 1-23 odd, **27-37 odd**

7.3 5, 9-21 odd, **27**

Review Exercises: 1, 3, 7, 9, 11, 15-21 odd, 25, 27, 31

Test: page 339 1-9 odd, 13, 15

## Chapter 8

8.1 1, 9-19 odd, 23-29 odd

8.2 1-7 odd, 13-21 odd, **29-35 odd**

8.3 1-9 odd, 13-23 odd, **29, 31**

8.4 1-29 odd, **35, 37**

8.5 1-11 odd, 15-21 odd, 29, 31

Review Exercises: 1, 3, 11, 13, 15, 19, 21, 25, 27-33 odd

Test: page 387 1, 3, 5, 9, 11, 13, 15

## Chapter 9

9.1 1-9 odd, 15-23 odd, **25-29 odd**

9.2 1-11 odd, 19, 21, **23, 29, 31**

9.3 3-21 odd, **23-33 odd**

9.4 (optional) 1-9 odd, 13-21 odd, **23, 25, 31, 33**

Review Exercises: 1, 5-19 odd

Test: page 432 1-15 odd

## Chapter 10

10.1 1, 3a,b, 7, 9, 21, 23, **25, 35-39 odd**

10.2 1-35 odd

10.3 (optional) 1, 3, 5, 11, 13, 15, 19a, 21a

10.4 (optional) 1, 5, **9, 13**

10.5 1-13 odd, 19, 21, 25-39 odd

10.6 (optional) 1, 5a, 7a, 11-17 odd, 23, 25, **39**

Review Exercises: 1, 3, 5ab, 7, 11ab, 13, 15, 17, 21, 23, 27

Test: page 487 1-7 odd, 13, 17, 19

## Chapter 11

11.1 1-33 odd

11.2 1, 3, 5, 9-29 odd, **31**

11.3 1-31 odd

11.4 (optional) 1-29 odd

Review Exercises: 1-17 odd, 21, 23, 27, 31

Test: page 526 1-19 odd