

Geometry Study Guide Chapter 4 Congruent Triangles

4-1 Congruent Figures

1. Can you identify corresponding parts of congruent figures?
2. Do you understand how to apply the reflexive property and third angles theorem?
3. Do you understand Problems 1, 2, 3, and 4?
4. Do you understand how to do these problems? p. 221; #3, 4, 10-19, 30, 33

4-2 Triangle Congruence by SSS and SAS

1. Can you recognize when SSS and SAS apply? Can you recognize when there is not enough info? How does the word “included” apply to SAS?
2. Does AAA work to prove congruency? What can AAA prove?
3. Do you understand Problems 1, 2, & 3?
4. Do you understand how to do these problems? p. 230; #1-4, 9, 10, 11-14, 19

The first test covers this material.

4-3 Triangle Congruence by ASA and AAS

1. Can you recognize when ASA and AAS apply? How does the word “included” apply to ASA?
2. Why does SSA not work?
3. Do you understand Problems 1, 3, & 4?
4. Do you understand how to do these problems? p. 238; #1-4, 9, 13, 17

4-4 Using Corresponding Parts of Congruent Triangles

1. How do you apply CPCTC?
2. Do you understand Problems 1 & 2?
3. Do you understand how to do these problems? p. 246; #1, 2, 5, 9, 10, 14, 17

4-5 Isosceles and Equilateral Triangles

1. Do you understand the vocabulary of isosceles and equilateral triangles?
2. Do you understand Problems 1, 2, & 3?
3. Do you understand how to do these problems? p. 253; #1-4, 6-12, 28, 31, 33

4-6 Congruence in Right Triangles

1. Can you recognize when it's appropriate to use the Hypotenuse-Leg Theorem?
2. Do you understand Problems 1 & 2?
3. Do you understand how to do these problems? p. 261; #1-4, 11, 12, 25

The second test covers the entire chapter.

4-7 Congruence in Overlapping Triangles

1. Are you able to identify common parts when triangles overlap?
2. Do you understand Problems 1, 2, & 4?
6. Do you understand how to do these problems? p. 268; #1, 3, 8, 12, 13

REVIEW: Chapter Review p. 273-276; Vocabulary; Notes; Homework; Classwork; Quizzes