

Triangle Congruence Theorems

Name: _____

Date: _____ Score: _____

UNIT TOPICS

- * SSS, SAS, ASA, AAS, HL congruence
- * CPCTC: Corresponding Parts of Congruent Triangles are Congruent
- * Identifying which theorem applies

PRACTICE PROBLEMS - Show all work

1. Name the 5 triangle congruence theorems: ____
2. Two triangles share all 3 side lengths. Which theorem proves congruence? ____
3. Two triangles have 2 sides and the included angle equal. Which theorem? ____
4. Two triangles have 2 angles and the included side equal. Which theorem? ____
5. CPCTC stands for: ____
6. After proving triangle ABC congruent to DEF by SSS, what can we say about angle A and angle D? ____
7. Can you use SSA (Side-Side-Angle) to prove congruence? Why not? ____
8. HL (Hypotenuse-Leg) applies only to ____ triangles.
9. Two right triangles each have hypotenuse 10 and leg 6. Are they congruent? Which theorem? ____
10. Sketch two congruent triangles and label 3 corresponding congruent parts.

TEACHER ANSWER KEY - Triangle Congruence Theorems

Answers (accept equivalent responses and correct reasoning):

1. [Grade based on correct application of concept taught this week]
2. [Grade based on correct application of concept taught this week]
3. [Grade based on correct application of concept taught this week]
4. [Grade based on correct application of concept taught this week]
5. [Grade based on correct application of concept taught this week]
6. [Grade based on correct application of concept taught this week]
7. [Grade based on correct application of concept taught this week]
8. [Grade based on correct application of concept taught this week]
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10. [Grade based on correct application of concept taught this week]