

Triangle Congruence by ASA and AAS

Vocabulary

Review

1. Cross out the figure(s) that are NOT *triangle*(s).





3. A *triangle* with a right angle is called a(n) obtuse / right / scalene *triangle*.

Vocabulary Builder

corresponding (adjective) kawr uh spahn ding

Other Word Forms: correspond (verb); correspondence (noun)

Definition: Corresponding means similar in position, purpose, or form.

Math Usage: Congruent figures have congruent corresponding parts.

• Use Your Vocabulary

Draw a line from each part of $\triangle ABC$ in Column A to the *corresponding* part of $\triangle XYZ$ in Column B.

| Column A | Column B |
|----------------------|-----------------|
| $4. \ \overline{BC}$ | $\angle Z$ |
| 5. ∠ <i>A</i> | $\angle Y$ |
| 6. <i>AB</i> | YZ |
| 7. ∠ <i>C</i> | $\angle X$ A |
| 8. <i>AC</i> | \overline{XY} |
| 9. ∠ <i>B</i> | \overline{XZ} |
| | |









Got It? Which two triangles are congruent by ASA? Explain.



11. Name the triangles. List the vertices in corresponding order: list the vertex with the one arc first, the vertex with the two arcs second, and the third vertex last.

12. $\angle G \cong \angle$ $\cong \angle$ **13.** $\angle H \cong \angle$ $\cong \angle$



15. The congruent sides that are included between congruent angles are



 \cong

16. Write a congruence statement. Justify your reasoning.



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