

The Secret Postulate of Hypotenuse and Leg (The missing section of chapter 5 in Big Ide...

Lesson 072 | Geometry | Hypotenuse-leg congruence

https://www.youtube.com/watch?v=b_eZfNqfUoM

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

Two triangles have right angles, equal hypotenuses 10, and equal legs 6. Name the congruence criterion and explain what CPCTC then establishes.

02

Two triangles have right angles, equal hypotenuses 40, and equal legs 24. Name the congruence criterion and explain what CPCTC then establishes.

03

Two triangles have right angles, equal hypotenuses 55, and equal legs 33. Name the congruence criterion and explain what CPCTC then establishes.

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04

Two triangles have right angles, equal hypotenuses 50, and equal legs 30. Name the congruence criterion and explain what CPCTC then establishes.

05

Two triangles have right angles, equal hypotenuses 15, and equal legs 9. Name the congruence criterion and explain what CPCTC then establishes.

06

Two triangles have right angles, equal hypotenuses 35, and equal legs 21. Name the congruence criterion and explain what CPCTC then establishes.

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01

Two triangles have right angles, equal hypotenuses 10, and equal legs 6. Name the congruence criterion and explain what CPCTC then establishes.

Criterion: HL. It guarantees congruent triangles; CPCTC then gives equality of all remaining corresponding sides and angles, with vertex order matched.

02

Two triangles have right angles, equal hypotenuses 40, and equal legs 24. Name the congruence criterion and explain what CPCTC then establishes.

Criterion: HL. It guarantees congruent triangles; CPCTC then gives equality of all remaining corresponding sides and angles, with vertex order matched.

03

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Two triangles have right angles, equal hypotenuses 15, and equal legs 9. Name the congruence criterion and explain what CPCTC then establishes.

Criterion: HL. It guarantees congruent triangles; CPCTC then gives equality of all remaining corresponding sides and angles, with vertex order matched.

06

Two triangles have right angles, equal hypotenuses 35, and equal legs 21. Name the congruence criterion and explain what CPCTC then establishes.

Criterion: HL. It guarantees congruent triangles; CPCTC then gives equality of all remaining corresponding sides and angles, with vertex order matched.