

Week Dec 9-13 Lesson Overview -- CP Geometry

Monday - REVIEW last week's work with Q&A period for test on Chapter 5

Tuesday - TEST on Chapter 5 as focus will be on PROOFS of section 5.7 CPCTC

Wednesday - Section 8.1 on Similar Polygons vs Congruent Polygons NOTES and examples

Thursday - Overview of notes and examples on

- Section 8.2 on AA-A Triangles are special as the property of congruent triangles makes all those triangles similar as sides come into proportion.
- Section 8.3 on SSS and SAS similar triangles theorems

Friday - Guided practice on sections 1-3

Monday - Independent Practice (Dec. 16 sub day)

---Thursday forecasted test on material prior to break

Resources for Notes/Examples/Exercises/Assignments

Soft Practice Book pg. 127-132

Resource Book Handouts

- Pg 326 Extra Practice
- Pg 338 8.2 Puzzle time
- Pg 341-342 Reteach 8.3

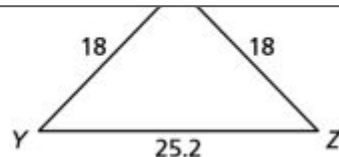
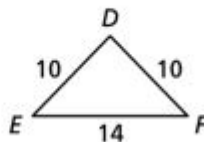
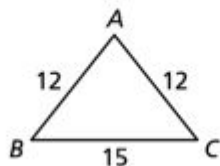
In Exercises 1 and 2, find the scale factor. write the ratios of the corresponding side l

1. $\triangle ABC \sim \triangle HIJ$

Kuta Software Worksheet/Video

Determine whether the two triangles are similar. If they are similar, write a similarity statement and find the scale factor of triangle B to triangle A.

1. Determine whether $\triangle ABC$ or $\triangle DEF$ is similar to $\triangle XYZ$.



Objectives/Standards/ Learning Targets for Dec 11-19

Section 8.1: Similar Polygons

Common Core State Standards: G.SRT.A.2, G.SRT.B.5

Learning Target: Understand the relationship between similar polygons.

Success Criteria

- Use similarity statements.
- Find corresponding lengths in similar polygons.

Section 8.2: Proving Triangle Similarity by AA

Common Core State Standards: G.SRT.A.3, G.SRT.B.5

Learning Target: Understand and use the Angle-Angle-Similarity Theorem.

Success Criteria

- Use similarity transformations to prove the Angle-Angle Similarity Theorem.
- Use angle measures of triangles to determine whether triangles are similar.
- Prove triangle similarity using the Angle-Angle Similarity Theorem.

Note: At this time, perimeter and area theorems will not be covered, nor application word problems nor formal proofs.

Section 8.3: Proving Triangle Similarity by SSS and SAS

Common Core State Standards: G.SRT.B.5, G.GPE.B.5

Learning Target: Understand and use additional triangle similarity theorems.

Success Criteria

- Use the SSS and SAS similarity theorems to determine whether triangles are similar.