Chapter 8 Geometry

Week Dec 9-13 Lesson Overview -- Geometry

Monday - REVIEW last week's test on congruent triangles theorem use and given NOTES on congruent versus similar polygons - Section 8.1 in textbook
Tuesday - Use Kuta Software Handout on Similar Polygons to guide practice
https://cdn.kutasoftware.com/Worksheets/Geo/7-Similar%20Polygons.pdf
Wednesday - 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

Thursday -Use Kuta Software Handout on Similar TRIANGLES to guide practice
https://cdn.kutasoftware.com/Worksheets/Geo/7-Similar%20Triangles.pdf
https://cdn.kutasoftware.com/Worksheets/PreAlg/Similar%20Figures.pdf
Friday - Guided practice on sections 1-3 using Soft Practice Book pg. 127-132

Monday - Independent Practice (Dec. 16 sub day)
--Wednesday forecasted test on material prior to break

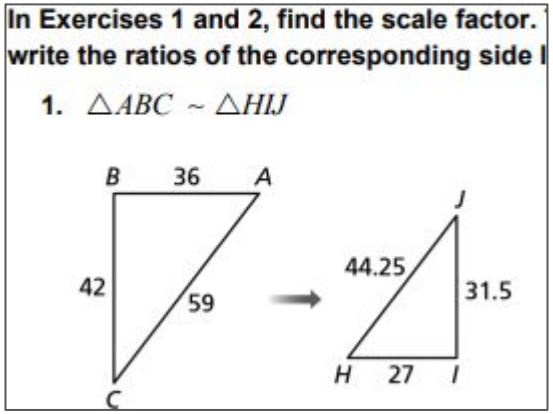
Resources for Notes/Examples/Exercises/Assignments

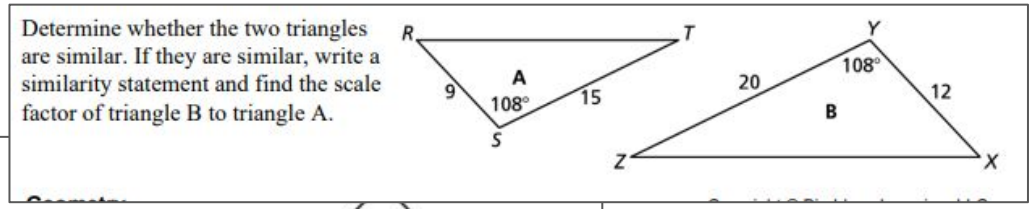
Soft Practice Book pg. 127-132

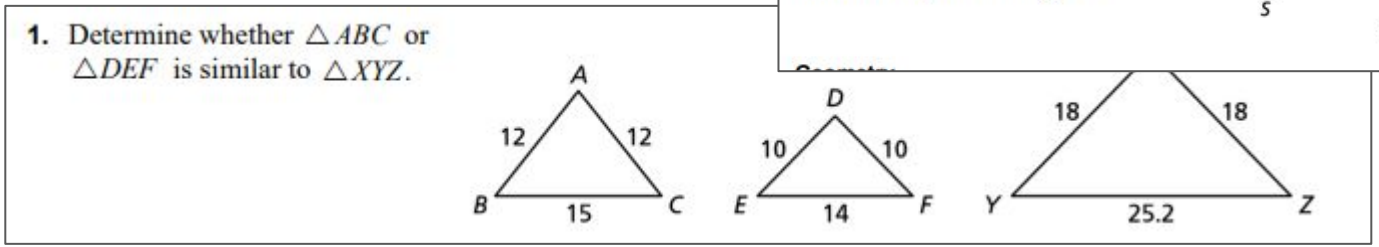
Resource Book Handouts

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

Kuta Software Worksheet/Video







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.