Week Nov 18-22   Geometry Sections 3,5,6

Monday: Warmup: Soft PW pg 76 # 1,2,4,7 complete individually. Discuss and load to shared document **Online drawings** will show students AAS, AAA, SSS, and SSA configured triangles with 2 of those being not consistent as congruent triangles.

Tuesday: With colored pencils show and complete Soft PW pg 75 examples (Modify from expectation in CP class down). Pg 79 Complete together with modifications.

Wednesday: Work on Soft Practice Book **pg. 81** problems together in class. Give handout of **pg 263 chart (on next slide)** from hard textbook into a summary sheet. Start various problems from "Red practice book"

Thursday: Work on in class and finish for homework "Red practice book" **handout packet** of SAS, SSS, SSA(HL), ASA, and AAS - Mrs. Pletcher out of class.

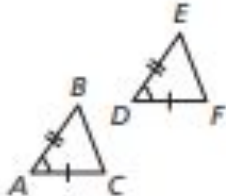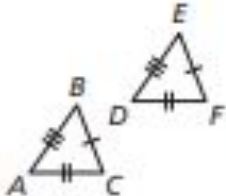**Friday:** Review handout and complete **KUTA handouts** listed below and finish for homework.

- https://cdn.kutasoftware.com/Worksheets/Geo/4-SSS%20and%20SAS%20Congruence.pdf
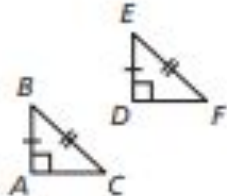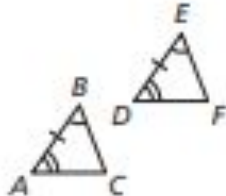- https://cdn.kutasoftware.com/Worksheets/Geo/4-ASA%20and%20AAS%20Congruence.pdf
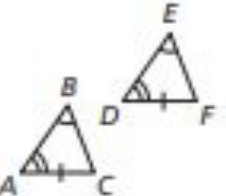- https://cdn.kutasoftware.com/Worksheets/Geo/4-SSS%20SAS%20ASA%20and%20AAS%20Congruence.pdf
- https://cdn.kutasoftware.com/Worksheets/Geo/4-Right%20Triangle%20Congruence.pdf

Sections 3,5, & 6 Summary of proper configurations to prove Congruence of Triangles (Theorems)

CONCEPT SUMMARY

Triangle Congruence Theorems

You have learned five methods for proving that triangles are congruent.

SAS	SSS	HL (right △ only)	ASA	AAS
Two sides and the included angle are congruent.	All three sides are congruent.	The hypotenuse and one of the legs are congruent.	Two angles and the included side are congruent.	Two angles and a non-included side are congruent.

In the Exercises, you will prove three additional theorems about the congruence of right triangles: Hypotenuse-Angle, Leg-Leg, and Angle-Leg.

Week's Objectives/Learning Targets with sample example

Section 5.3: Proving Triangle Congruence by SAS

Common Core State Standards: G.CO.B.8
Learning Target: Prove and use the Side-Angle-Side Congruence Theorem.
Success Criteria
- Use rigid motions to prove the SAS Congruence Theorem.
- Use the SAS Congruence Theorem.

Section 5.5: Proving Triangle Congruence by SSS

Common Core State Standards: G.CO.B.8
Learning Target: Prove and use the Side-Side-Side Congruence Theorem.
Success Criteria
- Use rigid motions to prove the SSS Congruence Theorem.
- Use the SSS Congruence Theorem.
- Use the Hypotenuse-Leg Congruence Theorem.

Section 5.6: Proving Triangle Congruence by ASA and AAS

Common Core State Standards: G.CO.B.8
Learning Target: Prove and use the Angle-Side-Angle Congruence Theorem and the Angle-Angle-Side Congruence Theorem.
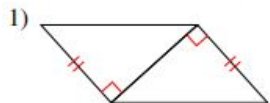**Success Criteria**
- Use rigid motions to prove the ASA Congruence Theorem.
- Prove the AAS Congruence Theorem.
- Use the ASA and AAS Congruence Theorems.
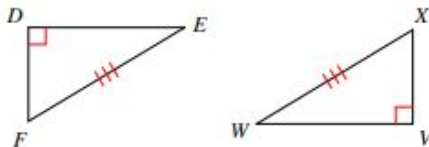
Kuta Software - Infinite Geometry

SSS and SAS Congruence

State if the two triangles are congru

1)

State what additional information is required in order to know that the triangles are congruent for the reason given.

11) HL

12) LL