

# Week Nov 25-27

# Geometry Sections 3,5,6

**Monday:** Review handouts problems from Thursday last week --- there will be a **QUIZ** on this type of identification  
WEDNESDAY.

- <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%20 Congruence.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>

**Tuesday:** Play Kahoot [https://kahoot.it/challenge/0804449?challenge-id=6a35df94-15d6-42bb-9a0b-07404aeef3ff\\_1732499952198](https://kahoot.it/challenge/0804449?challenge-id=6a35df94-15d6-42bb-9a0b-07404aeef3ff_1732499952198)  
(Students use first name and last name to a grade can be recorded) to review

Use online book to practice together a proof construction.

**5.3 Practice # 1-13 odds**

**5.5 Practice #1-13 odds**

**5.6 Practice #1-7, 11-15 odds**

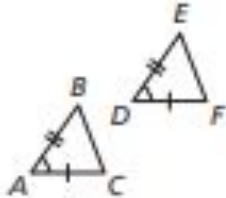
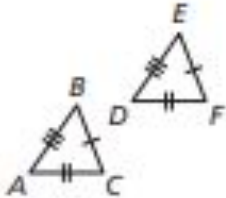
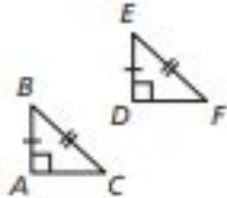
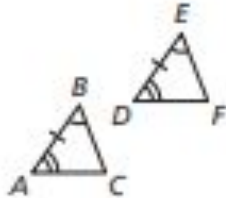
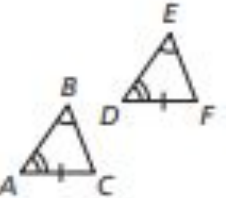
**Wednesday:** QUIZ on identification of triangle congruence theorem and necessary parts/order and finish online work

# 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 $\triangle$ 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.

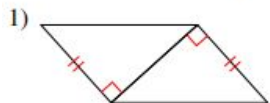
**Success Criteria**

- Use rigid motions to prove the SSS Congruence Theorem.
- Use the SSS Congruence Theorem.
- Use the Hypotenuse-Leg Congruence Theorem.

Kuta Software - Infinite Geometry

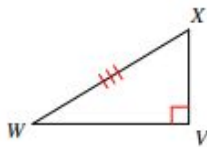
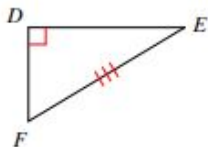
SSS and SAS Congruence

State if the two triangles are congru



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

11) HL



12) LL

