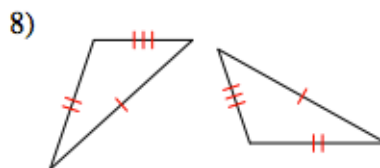
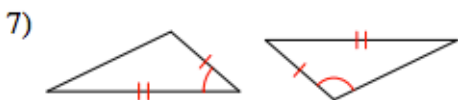
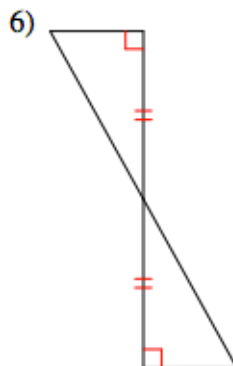
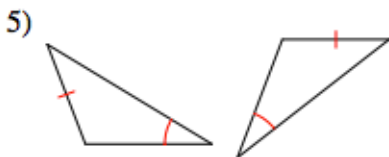
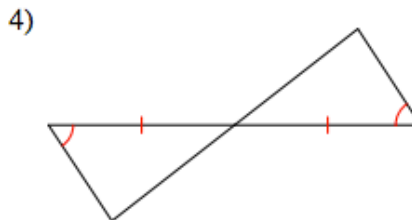
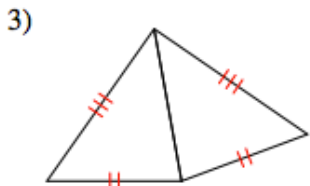
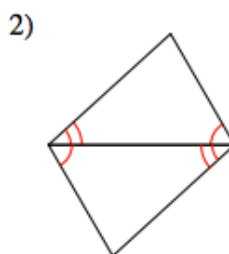
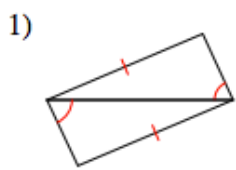


Geometry CC – Unit 5 Review

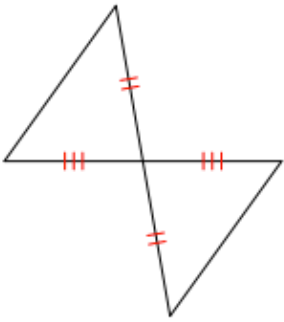
Important concepts/terms to remember:

- SSS Congruence
- SAS Congruence
- AAS Congruence
- ASA Congruence
- HL Congruence
- CPCTC
- Reflexive Property
- Addition Postulate
- Subtraction Postulate

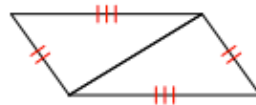
State if the below triangles are congruent and, if so, by what postulate:



9)

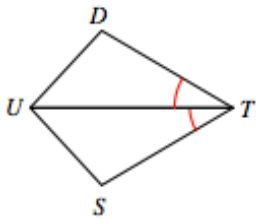


10)

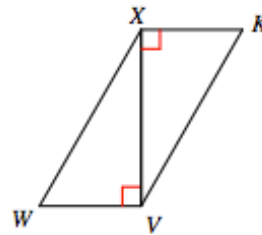


State what additional information is needed in order to know that the triangles are congruent for the given reason:

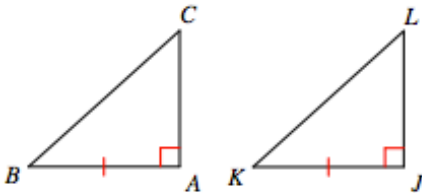
11) ASA



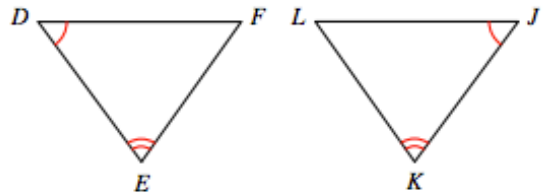
12) SAS



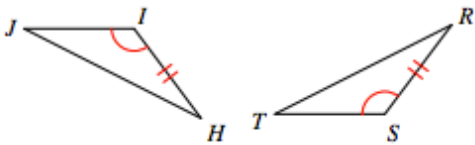
13) SAS



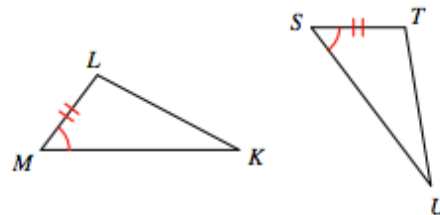
14) ASA



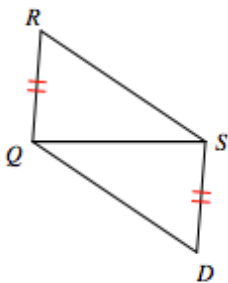
15) SAS



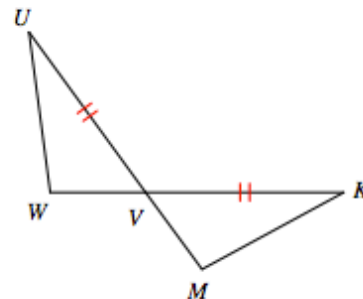
16) ASA



17) SSS

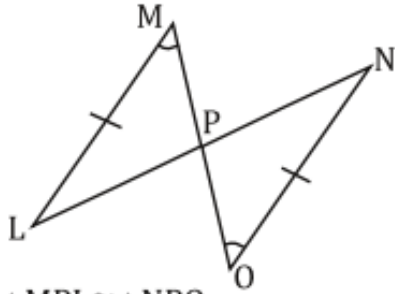


18) SAS



Fill in any missing pieces in the below proofs:

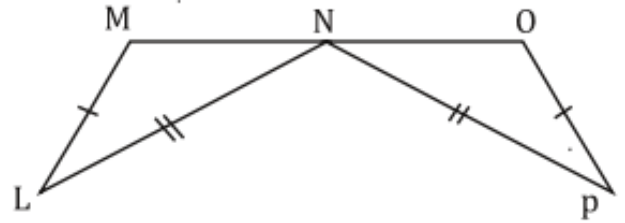
19. Given: $\overline{LM} \cong \overline{NO}$, and $\angle M \cong \angle O$



Prove: $\triangle MPL \cong \triangle NPO$

Statements	Reasons
1. $\overline{LM} \cong \overline{NO}$	1.
2.	2. Given
3.	3.
4.	4. AAS

20. Given: N is the midpoint of \overline{MO} , $\overline{LM} \cong \overline{OP}$, and $\overline{LN} \cong \overline{PN}$



Prove: $\triangle LMN \cong \triangle PON$

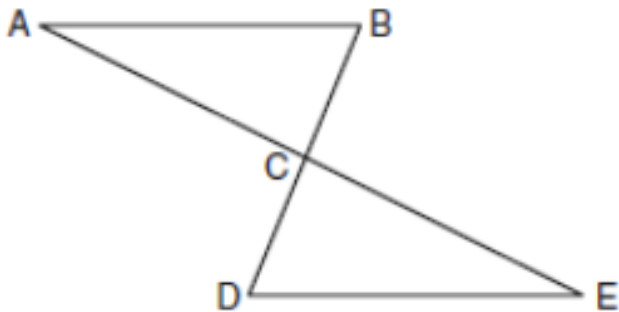
Statements	Reasons
1. $\overline{LM} \cong \overline{OP}$	1. Given
2. $\overline{LN} \cong \overline{PN}$	2.
3. N is the Midpoint of \overline{MO}	3. Given
4.	4. Midpoint
5.	5. SSS

Complete the following proofs:

21.

Given: C is the midpoint of BD and AE

Prove: $\triangle ABC \cong \triangle EDC$



22.

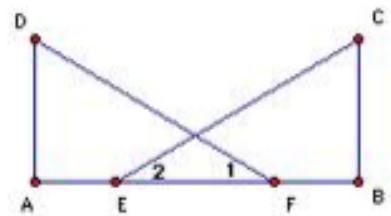
Given: $\angle 1 \cong \angle 2$

$DA \perp AB$

$CB \perp AB$

$AE \cong BF$

Prove: $DF \cong CE$



23.

Given: Triangle ABC is isosceles with $AB \cong AC$

AX is a Median to BC

Prove: $\angle BAX \cong \angle CAX$

