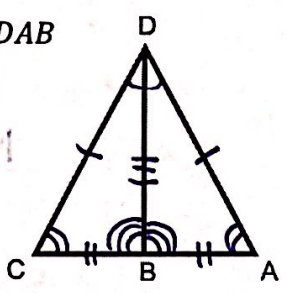


Name: Key Class: \_\_\_\_\_

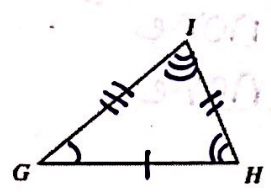
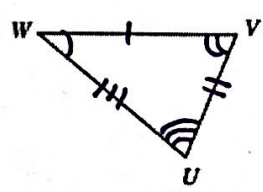
~~Foundations of~~ Math 2: Unit 5 Review Sheet

Part 1: Label the triangles correctly based on their congruent corresponding sides and angles.

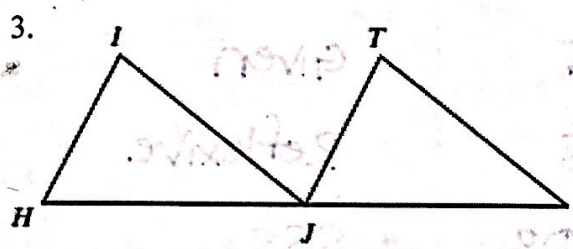
1.  $\triangle DCB \cong \triangle DAB$



2.  $\triangle WVU \cong \triangle GHI$



Part 2: Write out the congruent sides and the congruent angles. Make sure you write all of them!



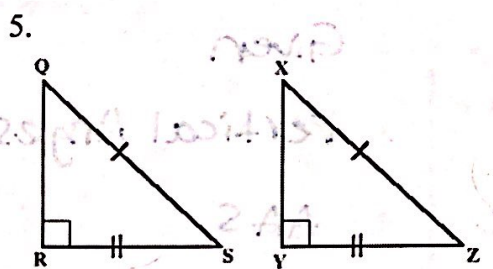
$\angle H \cong \angle J$   
 $\angle I \cong \angle T$   
 $\angle J \cong \angle S$   
 $\overline{HI} \cong \overline{JT}$   
 $\overline{HJ} \cong \overline{JS}$

4.  $\triangle USA \cong \triangle ESP$

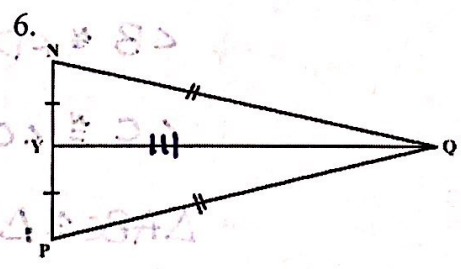
$\angle U \cong \angle E$   
 $\angle S \cong \angle S$   
 $\angle A \cong \angle P$

$\overline{US} \cong \overline{ES}$   
 $\overline{SA} \cong \overline{SP}$   
 $\overline{UA} \cong \overline{EP}$

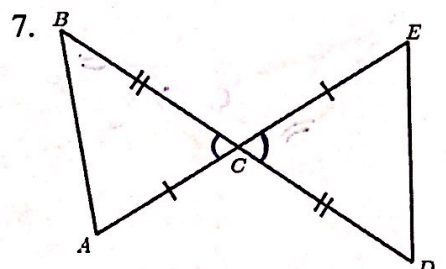
Part 3: Determine which postulate (SSS, SAS, ASA, AAS, HL) proves that the triangles are congruent. If none of those 5 work, write NONE in both blanks!



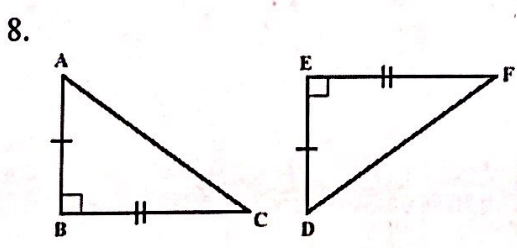
$\triangle QRS \cong \triangle XYZ$   
 Reason: HL



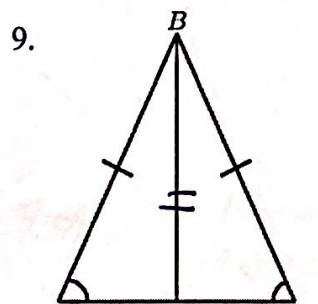
$\triangle NYQ \cong \triangle PYQ$   
 Reason: SSS



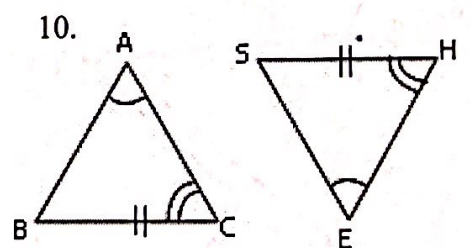
$\triangle CAB \cong \triangle CED$   
 Reason: SAS



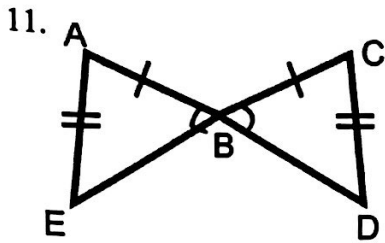
$\triangle BAC \cong \triangle EDF$   
 Reason: SAS



$\triangle BCA \cong \triangle \text{NONE}$   
 Reason: None

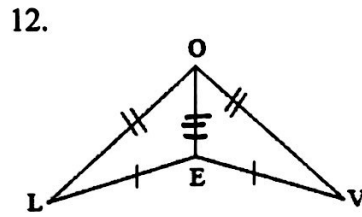


$\triangle ABC \cong \triangle ESH$   
 Reason: AAS



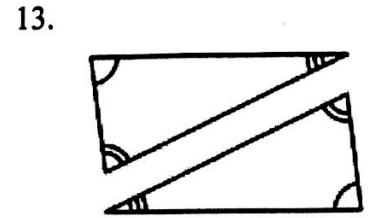
$\triangle BAE \cong \triangle$  none

Reason: none



$\triangle OEL \cong \triangle$  OEV

Reason: SSS

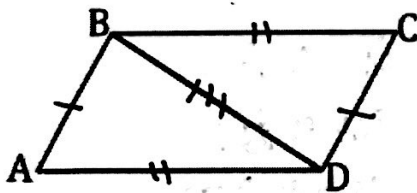


$\triangle HYK \cong \triangle$  None

Reason: None

14. Given:  $\overline{AB} \cong \overline{CD}$ ,  $\overline{BC} \cong \overline{DA}$

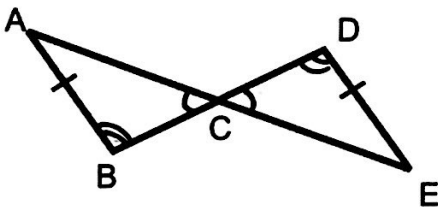
Prove:  $\triangle ABD \cong \triangle CDB$



Statements	Reasons
1. $\overline{AB} \cong \overline{CD}$	1. Given
2. $\overline{BC} \cong \overline{DA}$	2. Given
3. $\overline{BD} \cong \overline{DB}$	3. Reflexive
4. $\triangle ABD \cong \triangle CDB$	4. SSS

15. Given:  $\overline{AB} \cong \overline{ED}$ ,  $\angle B \cong \angle D$

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



Statements	Reasons
1. $\overline{AB} \cong \overline{ED}$	1. Given
2. $\angle B \cong \angle D$	2. Given
3. $\angle C \cong \angle C$	3. Vertical Angles
4. $\triangle ABC \cong \triangle EDC$	4. AAS

