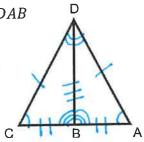
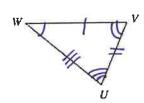
Math 2: Unit 8 Review Sheet

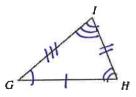
Part 1: Label the triangles correctly based on their congruent corresponding sides and angles.

 $1. \Delta DCB \cong \Delta DAB$

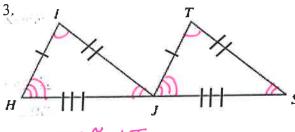


2. $\Delta WVU \cong \Delta GHI$





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



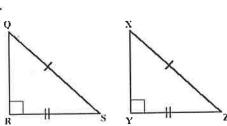
4. $\Delta USA \cong \Delta ESP$

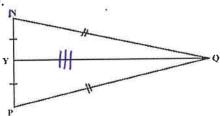
TUS = ES

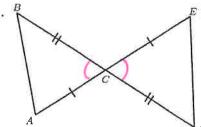
LI = LT ∠IJH = LTSJ LH= LTJS

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

5.







 $\triangle QSR \cong \triangle XZY$

Reason: HL=

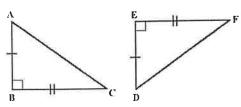
 $\triangle NYQ \cong \triangle PYQ$

Reason: SSS = Post.

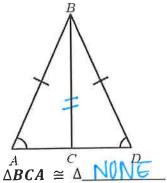
 $\triangle CAB \cong \triangle Ct[$

Reason: SAS = POST

8.



 $\triangle BAC \cong \triangle EDF$ Reason: SAS = POSt. 9.



NONE Reason: __

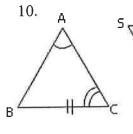
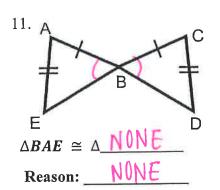
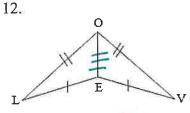


ABB ≅ A ESH

Reason: AA5 = Thm







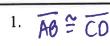
13.

 $\triangle OEL \cong \triangle OEV$ Reason: OSS = Post. $\Delta HYK \cong \Delta NONE$ Reason: NONE

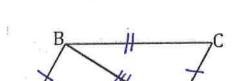
Part 4: Fill in the missing blanks in each of the following proofs:

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

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



Statements



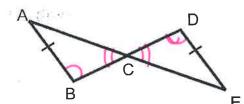
2.
$$\overline{BC} \cong \overline{DA}$$

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

Statements

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

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Reasons

- 1. given
- 2. given

18.

- 3. vertical angles are ≥
- 4. AAS=Theorem

Part 5: Find the missing variable in each of the following. YOU SHOULD ALSO STUDY THE NOTES

PAGE FOR ISOSCELES TRIANGLES! ©

