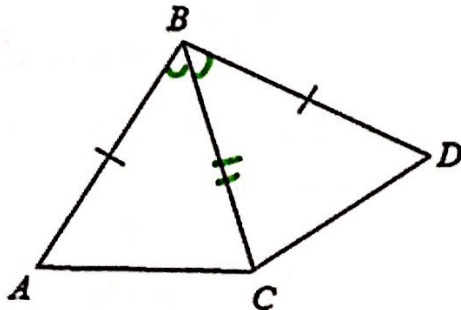


Name: _____
 Date: _____ Period: _____

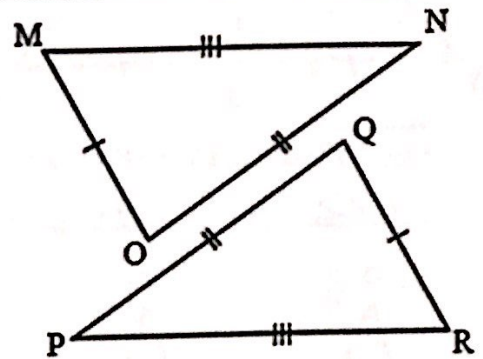
Directions: Use the given information and the diagram to mark the provided triangles' congruent parts. State which method (SSS, SAS, ASA, AAS, HL), if any, can be used to prove the triangles are congruent. If no method works, write "none". **If congruent, write a congruency statement.**

1.



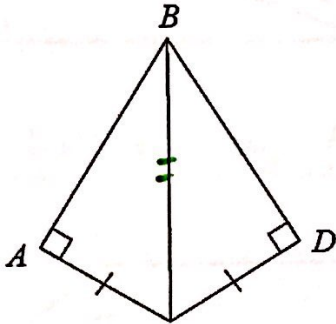
* \overline{BC} bisects $\angle ABD$
 $\triangle ABC \cong \triangle DBC$ by SAS

2.



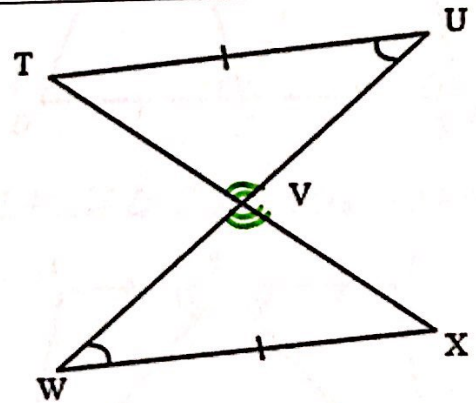
$\triangle MON \cong \triangle RQP$ by SSS

3.



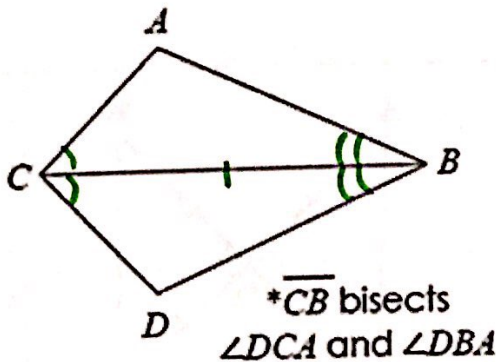
$\triangle ABC \cong \triangle DBC$ by HL

4.



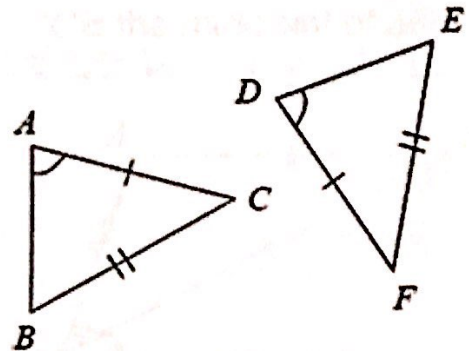
$\triangle TVU \cong \triangle XWV$ by AAS

5.



* \overline{CB} bisects $\angle DCA$ and $\angle DBA$
 $\triangle CAB \cong \triangle CDB$
 by ASA

6.



none

7.

$\triangle FIG \cong \triangle HGI$ by AAS

8.

*C is the midpoint of \overline{AD}
 $\triangle ABC \cong \triangle DBC$ by SSS

9.

$\triangle QRS \cong \triangle TRS$ by AAS

10.

$\triangle DEF \cong \triangle FGH$ by ASA

11.

$\triangle TUW \cong \triangle VWU$ by SAS

12.

*C is the midpoint of \overline{AE}
 $\triangle ABC \cong \triangle EDC$ by AAS

13.

* \overline{BD} and \overline{AE} bisect each other
 $\triangle BCA \cong \triangle DCE$ by SAS

14.

* $\overline{AC} \parallel \overline{BD}$ and $\overline{AB} \parallel \overline{CD}$
 $\triangle ABC \cong \triangle DCB$ by ASA