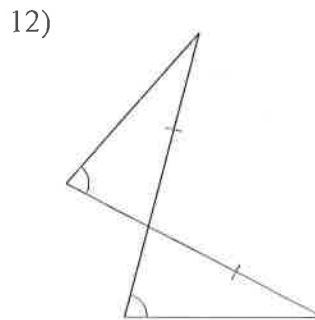
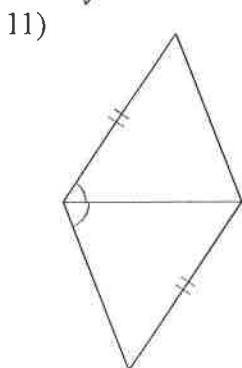
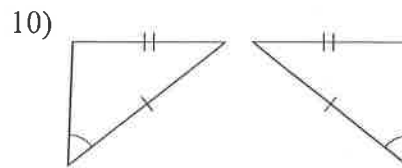
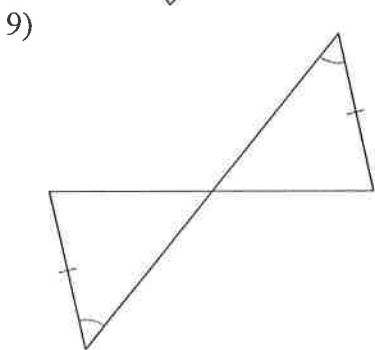
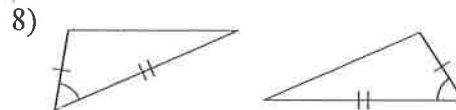
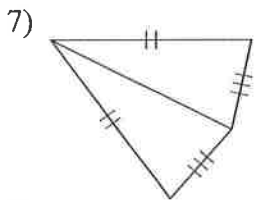
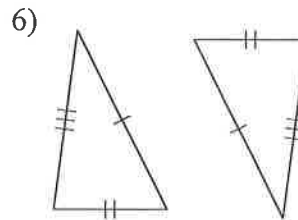
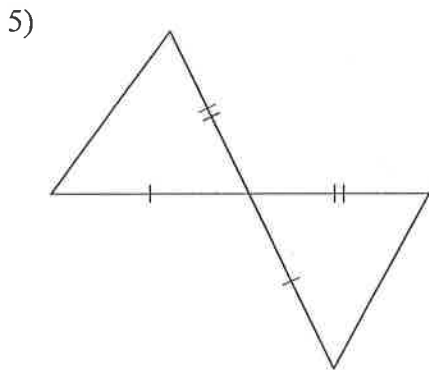
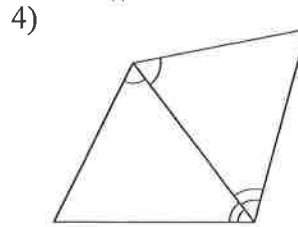
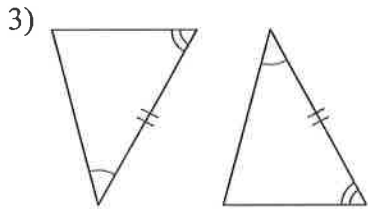
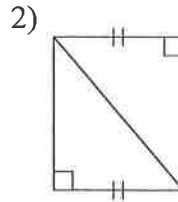
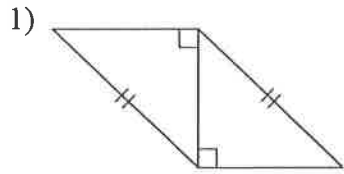


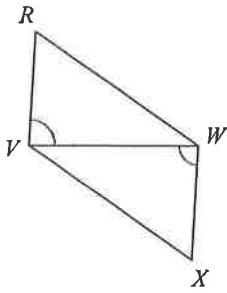
WS 5.3-5.6 Triangle Congruence Shortcuts

State if the two triangles are congruent. If they are, state how you know.

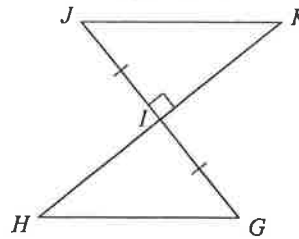


State what additional information is required in order to know that the triangles are congruent for the reason given.

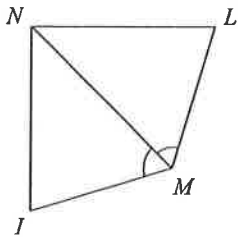
13) ASA



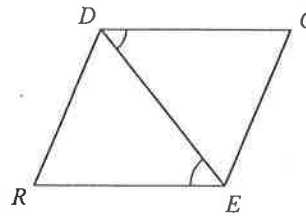
14) HL



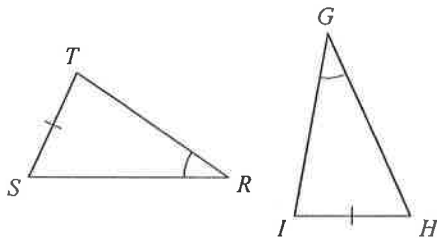
15) SAS



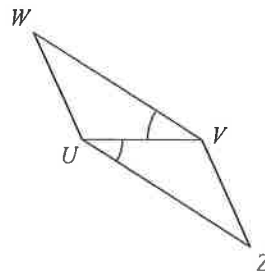
16) ASA



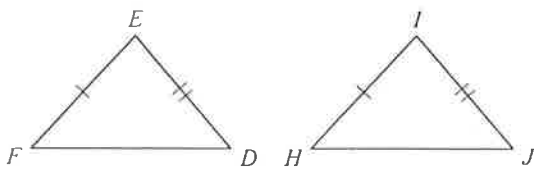
17) AAS



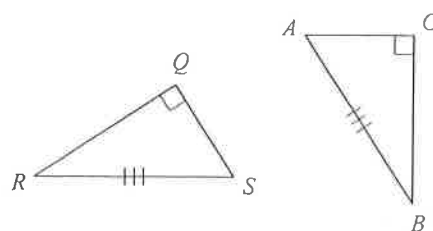
18) AAS



19) SSS



20) HL



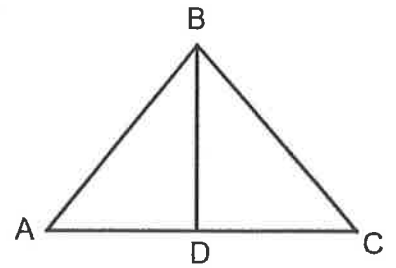
Name: \_\_\_\_\_ Date: \_\_\_\_\_ Block: \_\_\_\_\_

**Geometry - Triangle Congruence Proofs (SSS, SAS, ASA, AAS, HL)**

21. **Given:**  $\overline{AB} \cong \overline{BC}$ , D is a midpoint of  $\overline{AC}$

**Prove:**  $\triangle ABD \cong \triangle CBD$

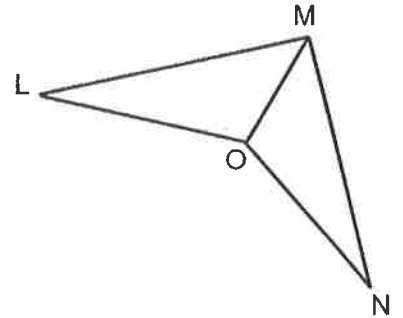
Statements	Reasons
1.	
2.	
3.	
4.	
5.	



22. **Given:**  $\angle L \cong \angle N$ ,  $\overline{OM}$  bisects  $\angle LMN$

**Prove:**  $\triangle LMO \cong \triangle NMO$

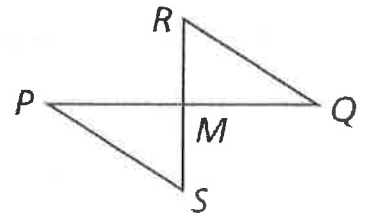
Statements	Reasons
1.	
2.	
3.	
4.	
5.	



23. **Given:**  $\angle R \cong \angle S$ , M is the midpoint of RS.

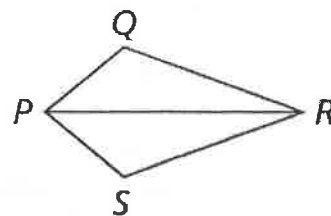
**Prove:**  $\triangle SMP \cong \triangle RMQ$

Statements	Reasons
1.	
2.	
3.	
4.	
5.	
6.	



24. Given:  $\overline{QP} \cong \overline{SP}$ ,  $\overline{RP}$  bisects  $\angle QPS$

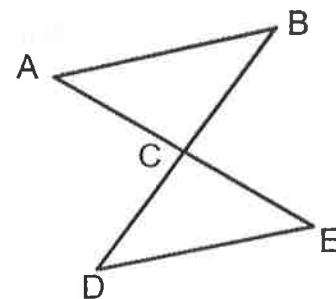
Prove:  $\triangle QPR \cong \triangle SPR$



Statements	Reasons
1.	
2.	
3.	
4.	
5.	

25. Given:  $\overline{AC} \cong \overline{CE}$ ,  $\overline{DC} \cong \overline{BC}$

Prove:  $\triangle ACB \cong \triangle ECD$



Statements	Reasons
1.	
2.	
3.	
4.	

26. Given: C is the midpoint of  $\overline{BD}$ ,  $\overline{AB} \cong \overline{DE}$ ,  $\overline{AE} \perp \overline{BD}$

Prove:  $\triangle ACB \cong \triangle ECD$

Statements	Reasons
1.	
2.	
3.	
4.	
5.	
6.	

