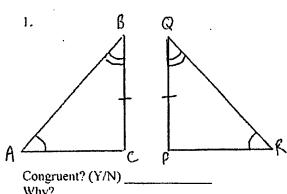
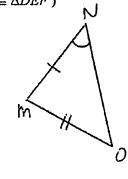
5 Ways to Prove Triangles are Congruent $\triangle BOW \cong \triangle MAN$ $\triangle OBW \cong \triangle AMN$ ABOW = AMAN AWBO= ANMA 1) Vertical L's Reflexsive Prop. Practice Choose which postulate can be used to prove the triangles congruent: 1 WXY= AAZY ABAD = ABCD 3) 1) SAS 4) 5) 6)

Are these triangles congruent???

- 1. Is there enough information to prove that two triangles are congruent?
- 2. If so, what postulate/theorem would you use: (1) S-S-S, (2) S-A-S, (3) A-S-A, (4) A-A-S
- 3. If two triangles are congruent, write a congruence statement (example: $\triangle ABC \cong \triangle DEF$)

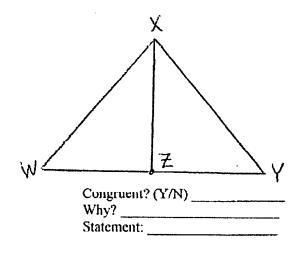


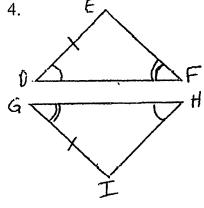
2.



Why? Why? ____ Statement: Δ ___ \cong Δ ____ Congruent? (Y/N) Why?_____ Statement:

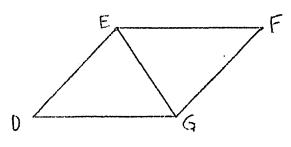
3. Given: $\overline{XZ} \perp \overline{WY}$; \overline{XZ} bisects $\angle WXY$





Congruent? (Y/N) Why?_____ Statement:

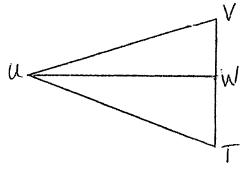
5. Given: $\overline{DG} \parallel \overline{EF} \mid \overline{DE} \parallel \overline{FG}$



Statement:

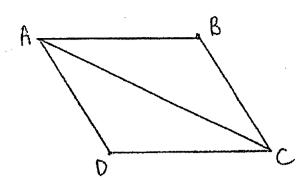
Congruent? (Y/N) Why? _____

6. Given: $\overline{TU} \cong \overline{UV}$; \overline{UW} bisects $\angle TUV$



Congruent? (Y/N) Why? _____ Statement:

7. Given: ABCD is an equilateral quadrilateral

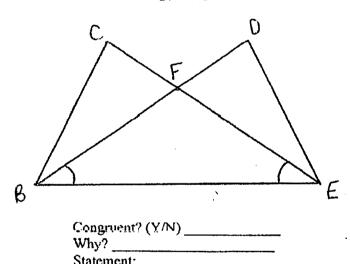


Congruent?	(Y/N)		
Why?			
Statement:			_

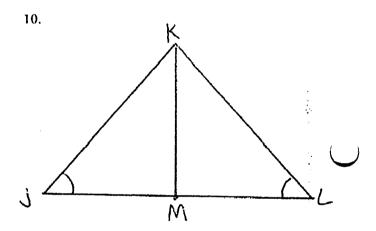
8. P

Congruent'	? (Y/N)
Why?	
Statement:	

9. Given: BD = CE



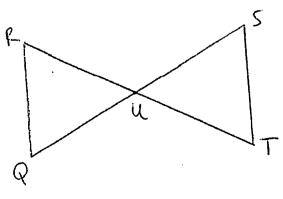
Statement:	



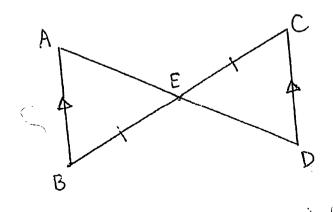
Congruent	? (Y/N)
Why?	
Statement:	

12.

11. $\angle Q \cong \angle S; \angle R \cong \angle T$



Congruent?	(Y/N)
Why?	
Statement:	



Congruent' Why?	? (Y/N)
Statement:	