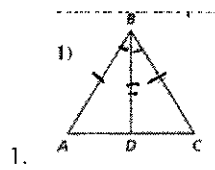


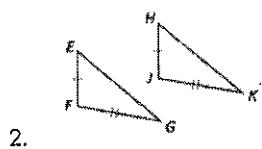
Name: Key Date: _____

More Practice with Proving Triangles Congruent

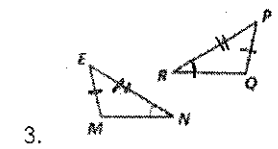
Determine whether the triangles are congruent. If they are congruent fill in the congruence statement and name the reason (**SSS, SAS, AAS, ASA, or HL**). If they are not congruent, put an **X** in the congruence statement and write **not \cong** .



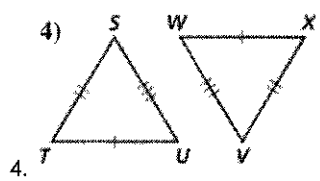
$\triangle ABD \cong \triangle CBD$ by SAS



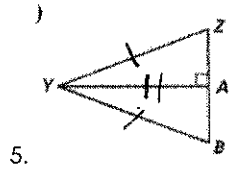
$\triangle EFG \cong \triangle HJK$ by not \cong



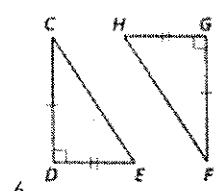
$\triangle EMN \cong \triangle RQP$ by not \cong



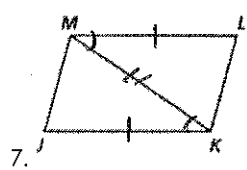
$\triangle STU \cong \triangle VWX$ by SSS



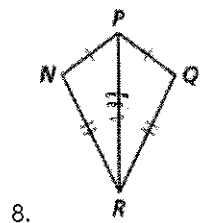
$\triangle YZA \cong \triangle YBA$ by HL



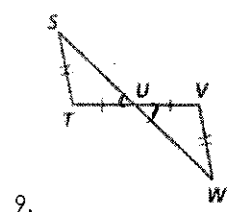
$\triangle CDE \cong \triangle FGH$ by SAS



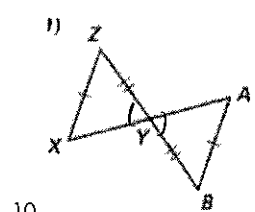
$\triangle KJM \cong \triangle MLK$ by SAS



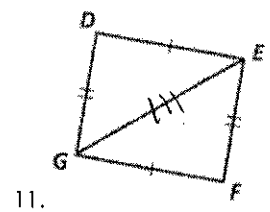
$\triangle NPR \cong \triangle QPR$ by SSS



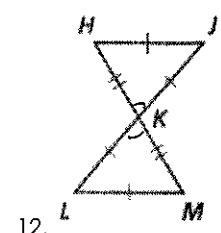
$\triangle STU \cong \triangle VWU$ by not \cong



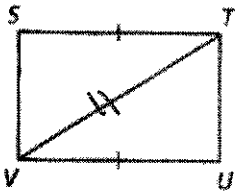
$\triangle XYZ \cong \triangle YAB$ by not \cong



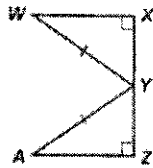
$\triangle DEG \cong \triangle FGE$ by SSS



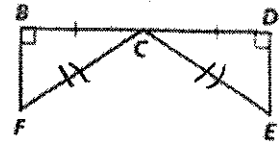
$\triangle HJK \cong \triangle MLK$ by SSS
SAS



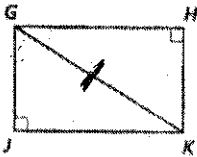
13. $\triangle STV \cong \triangle$ X by not \cong



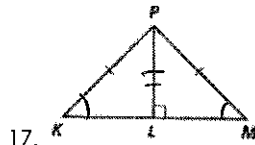
14. $\triangle WXY \cong \triangle$ X by not \cong



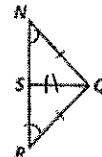
15. $\triangle BCF \cong \triangle$ DCE by HL



16. $\triangle GJK \cong \triangle$ X by not \cong



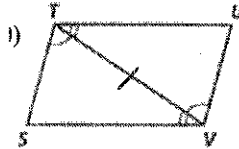
17. $\triangle KLP \cong \triangle$ MLP by AAS
or HL



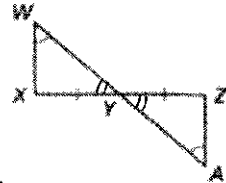
18. $\triangle NSQ \cong \triangle$ X by not \cong



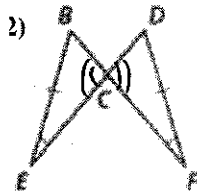
19. $\triangle LMN \cong \triangle$ X by not \cong



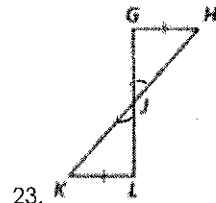
20. $\triangle STV \cong \triangle$ UVT by ASA



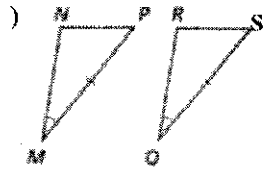
21. $\triangle WXY \cong \triangle$ AZY by AAS



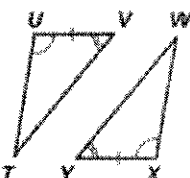
22. $\triangle BCE \cong \triangle$ DCF by AAS



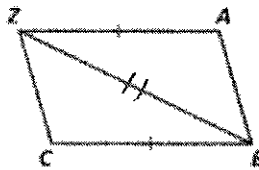
23. $\triangle GHJ \cong \triangle$ X by not \cong



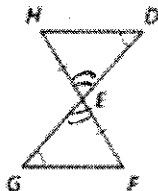
24. $\triangle NPM \cong \triangle$ X by not \cong



25. $\triangle TUV \cong \triangle$ WXY by ASA



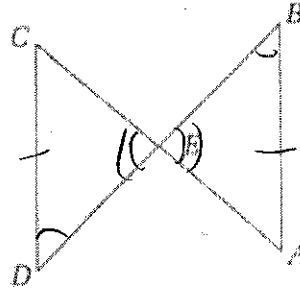
26. $\triangle BCZ \cong \triangle$ X by not \cong



27. $\triangle EFG \cong \triangle$ EHD by AAS

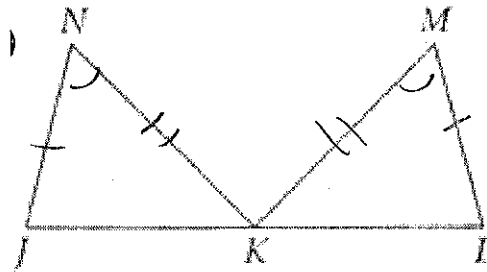
Use the given information to mark the diagram appropriately. Fill in the congruence statement and name the reason (**SSS**, **SAS**, **AAS**, **ASA**, or **HL**).

28. **Given:** $\overline{CD} \cong \overline{AB}$; $\angle B \cong \angle D$



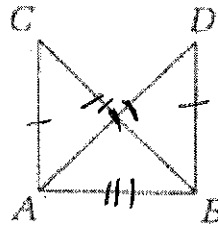
$\triangle CDE \cong \triangle ABE$ by AAS

29. **Given:** $\overline{JN} \cong \overline{LM}$; $\overline{NK} \cong \overline{MK}$; $\angle N \cong \angle M$



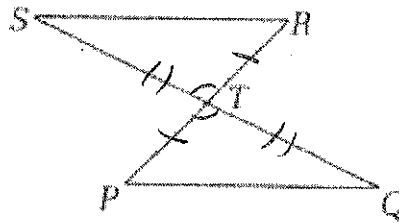
$\triangle JKN \cong \triangle LKM$ by SAS

30. **Given:** $\overline{AC} \cong \overline{BD}$; $\overline{AD} \cong \overline{BC}$



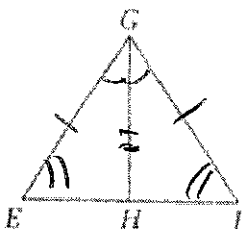
$\triangle ABC \cong \triangle BAD$ by SSS

31. **Given:** \overline{SQ} and \overline{PR} bisect each other



$\triangle RST \cong \triangle PQT$ by SAS

32. **Given:** \overline{GH} bisects $\angle EGF$; $\overline{EG} \cong \overline{FG}$



$\triangle EGH \cong \triangle FGH$ by ASA
or SAS
or AAS

