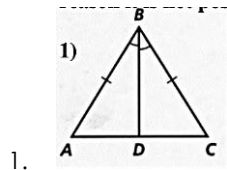


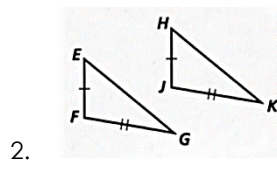
Name: _____ Date: _____

More Practice with Proving Triangles Congruent

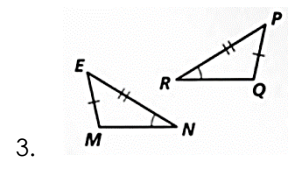
Determine whether the triangles are congruent. If they are congruent fill in the congruence statement and name the reason (**SSS**, **SAS**, **AAS**, **ASA**, or **HL**). If they are not congruent, put an **X** in the congruence statement and write **not \cong** .



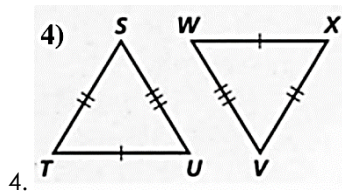
$\triangle ABD \cong \triangle$ _____ by _____



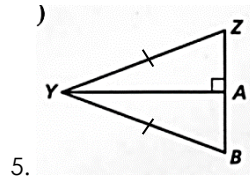
$\triangle EFG \cong \triangle$ _____ by _____



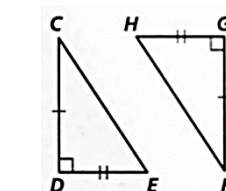
$\triangle EMN \cong \triangle$ _____ by _____



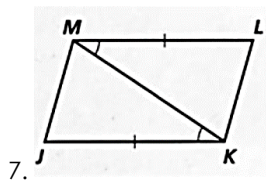
$\triangle STU \cong \triangle$ _____ by _____



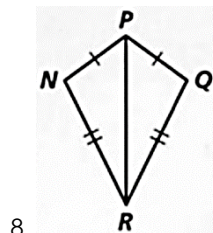
$\triangle YZA \cong \triangle$ _____ by _____



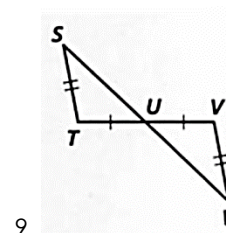
$\triangle CDE \cong \triangle$ _____ by _____



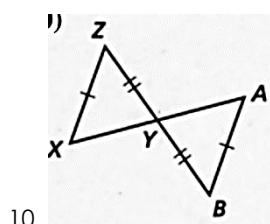
$\triangle JKM \cong \triangle$ _____ by _____



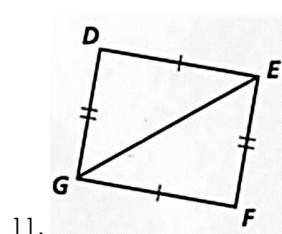
$\triangle NPR \cong \triangle$ _____ by _____



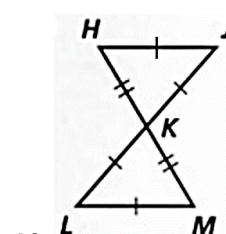
$\triangle STU \cong \triangle$ _____ by _____



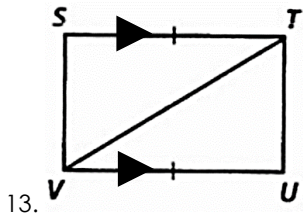
$\triangle XYZ \cong \triangle$ _____ by _____



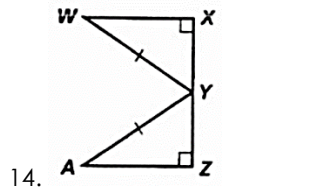
$\triangle DEG \cong \triangle$ _____ by _____



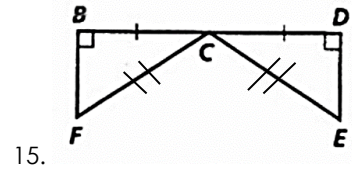
$\triangle HJK \cong \triangle$ _____ by _____



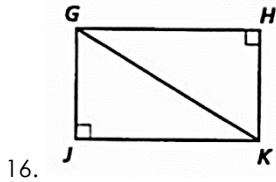
$\triangle STV \cong \triangle$ _____ by _____



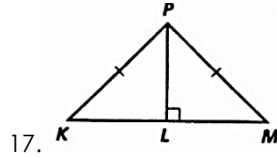
$\triangle WXY \cong \triangle$ _____ by _____



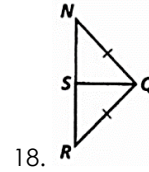
$\triangle BCF \cong \triangle$ _____ by _____



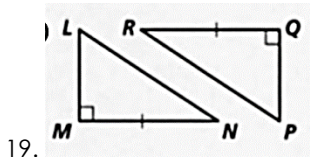
$\triangle GJK \cong \triangle$ _____ by _____



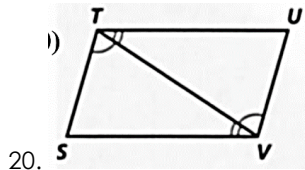
$\triangle KLP \cong \triangle$ _____ by _____



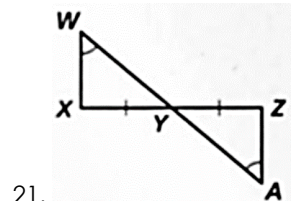
$\triangle NSQ \cong \triangle$ _____ by _____



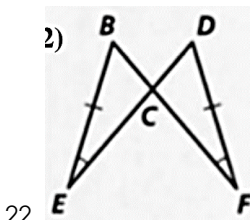
$\triangle LMN \cong \triangle$ _____ by _____



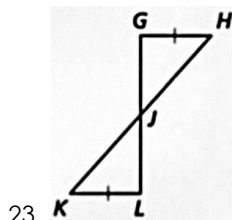
$\triangle STV \cong \triangle$ _____ by _____



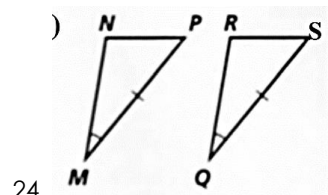
$\triangle WXY \cong \triangle$ _____ by _____



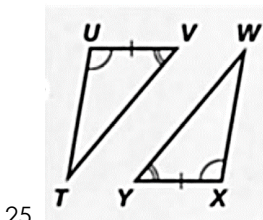
$\triangle BCE \cong \triangle$ _____ by _____



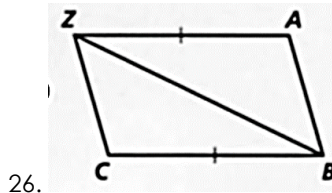
$\triangle GHJ \cong \triangle$ _____ by _____



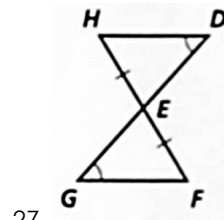
$\triangle NPM \cong \triangle$ _____ by _____



$\triangle TUV \cong \triangle$ _____ by _____



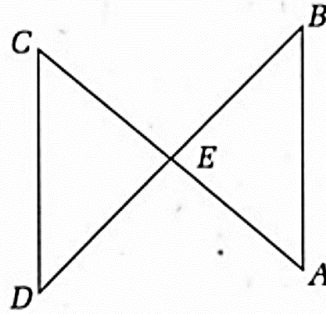
$\triangle ABCZ \cong \triangle$ _____ by _____



$\triangle EFG \cong \triangle$ _____ by _____

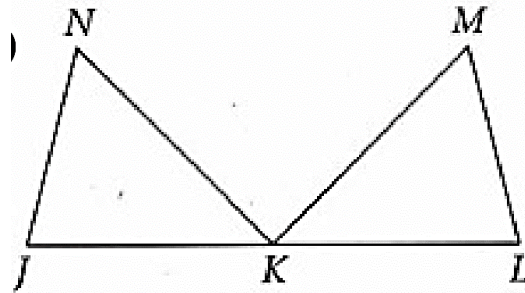
Use the given information to mark the diagram appropriately. Fill in the congruence statement and name the reason (**SSS**, **SAS**, **AAS**, **ASA**, or **HL**).

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



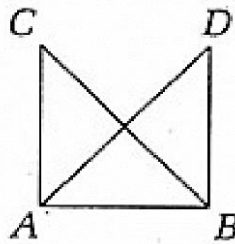
$\triangle CDE \cong \triangle$ _____ by _____

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



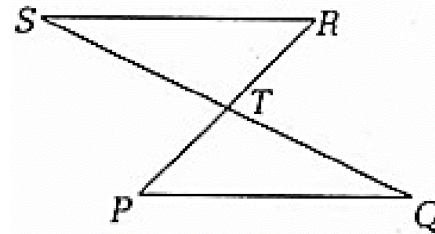
$\triangle JKN \cong \triangle$ _____ by _____

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



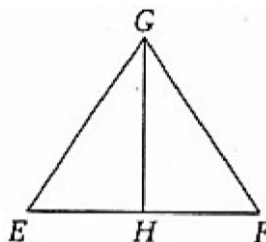
$\triangle ABC \cong \triangle$ _____ by _____

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



$\triangle RST \cong \triangle$ _____ by _____

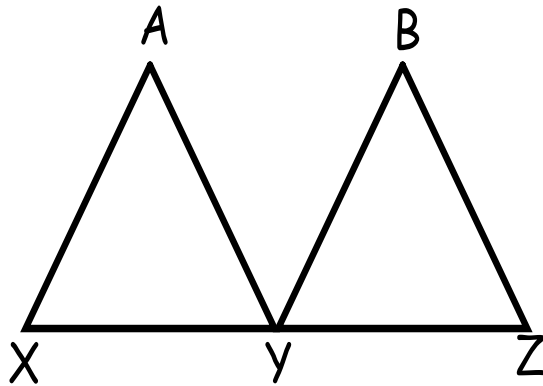
32. **Given:** \overline{GH} bisects $\angle EGF$; $\overline{EG} \cong \overline{FG}$



$\triangle EGH \cong \triangle$ _____ by _____

For the following problems, complete the triangle congruence statement and name the postulate that justifies the statement.

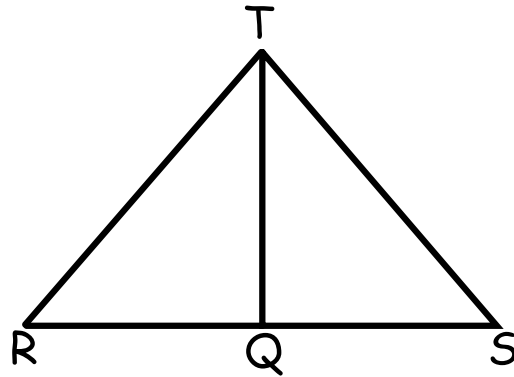
33.



Y is the **midpoint** of XZ, $AY \cong BY$ and $\angle AYX \cong \angle BYZ$.

$\triangle XYA \cong$ _____ by _____

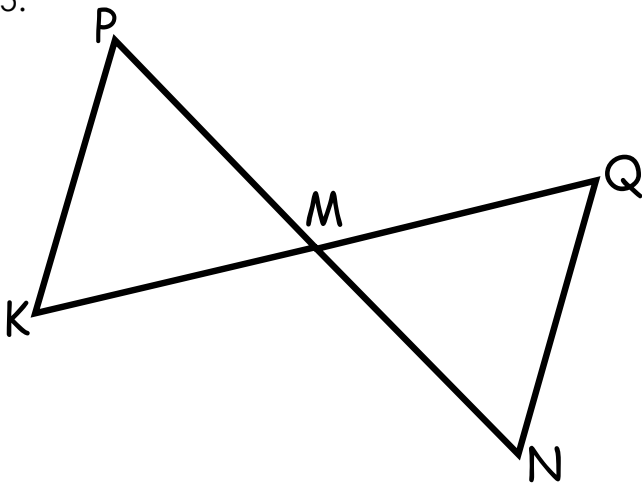
34.



$\triangle RTS$ is **isosceles** with legs RT and TS. Q is the **midpoint** of RS.

$\triangle RTQ \cong$ _____ by _____

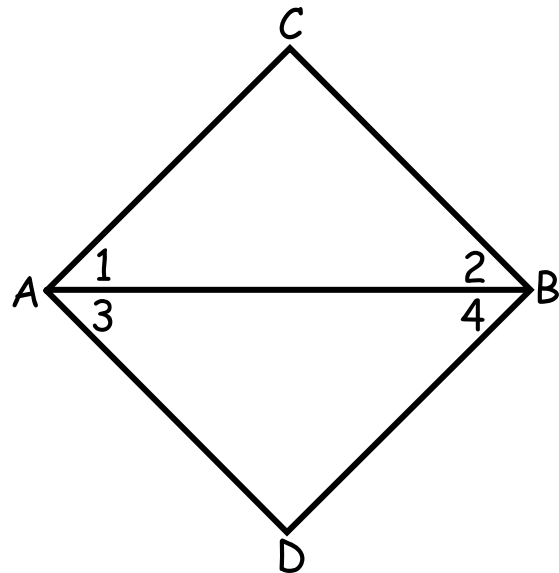
35.



$\angle P \cong \angle N$ and M is the **midpoint** of PN.

$\triangle PMK \cong$ _____ by _____

36.



$AC \cong BD$ and $AD \cong BC$

$\triangle ABD \cong$ _____ by _____