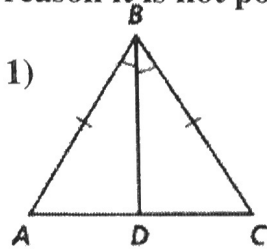


Geometry
Worksheet – Congruent Triangles

NAME _____

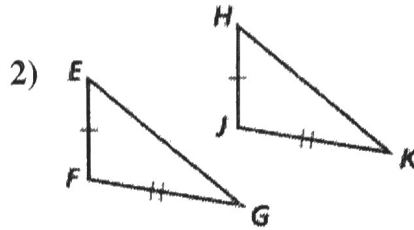
Date _____ HR _____

- a) Determine whether the following triangles are congruent.
 b) If they are, name the triangle congruence (pay attention to proper correspondence when naming the triangles) and then identify the Theorem or Postulate (SSS, SAS, ASA, AAS, HL) that supports your conclusion.
 c) Be sure to show any additional congruence markings you used in your reasoning.
 d) If the triangles cannot be proven congruent, state “not possible.” Then given the reason it is not possible.



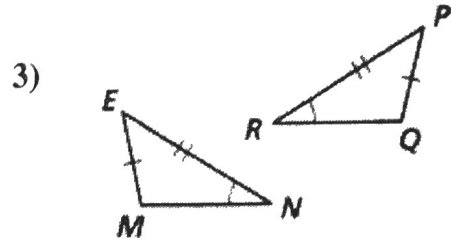
Congruence:
 $\triangle ABD \cong \triangle$ _____

Reason:



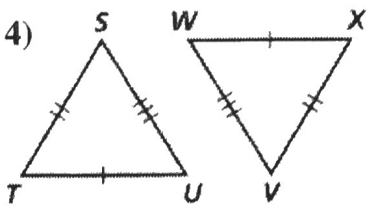
Congruence:
 $\triangle EFG \cong \triangle$ _____

Reason:



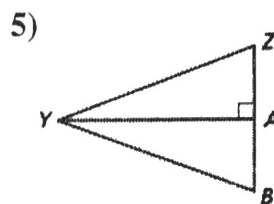
Congruence:
 $\triangle EMN \cong \triangle$ _____

Reason:



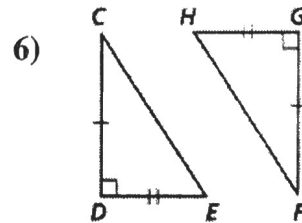
Congruence:
 $\triangle STU \cong \triangle$ _____

Reason:



Congruence:
 $\triangle YZA \cong \triangle$ _____

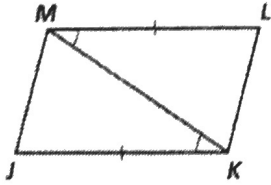
Reason:



Congruence:
 $\triangle CDE \cong \triangle$ _____

Reason:

7)

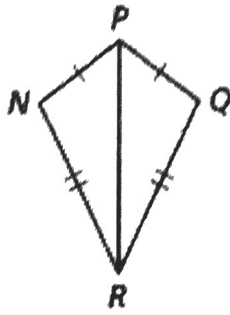


Congruence:

$$\triangle KJM \cong \triangle \underline{\hspace{2cm}}$$

Reason:

8)

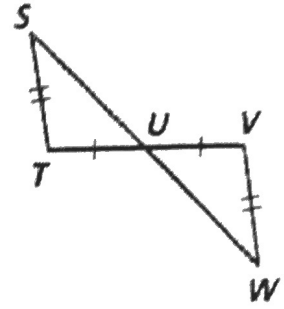


Congruence:

$$\triangle NPR \cong \triangle \underline{\hspace{2cm}}$$

Reason:

9)

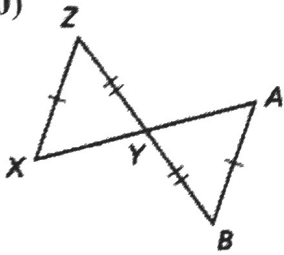


Congruence:

$$\triangle STU \cong \triangle \underline{\hspace{2cm}}$$

Reason:

10)

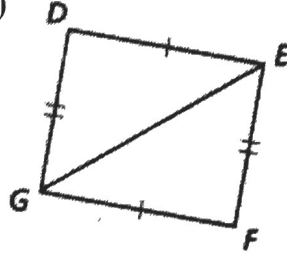


Congruence:

$$\triangle XYZ \cong \triangle \underline{\hspace{2cm}}$$

Reason:

11)

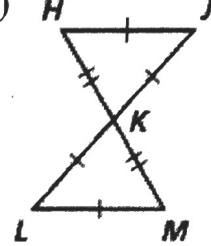


Congruence:

$$\triangle DEG \cong \triangle \underline{\hspace{2cm}}$$

Reason:

12)

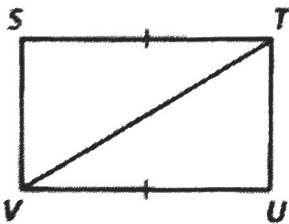


Congruence:

$$\triangle HJK \cong \triangle \underline{\hspace{2cm}}$$

Reason:

13)

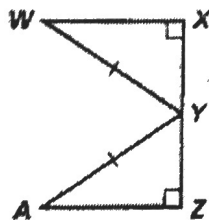


Congruence:

$$\triangle STV \cong \triangle \underline{\hspace{2cm}}$$

Reason:

14)

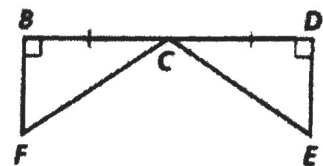


Congruence:

$$\triangle WXY \cong \triangle \underline{\hspace{2cm}}$$

Reason:

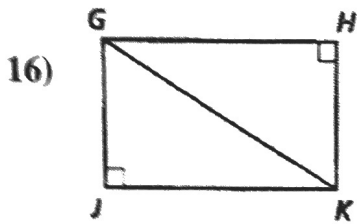
15)



Congruence:

$$\triangle BCF \cong \triangle \underline{\hspace{2cm}}$$

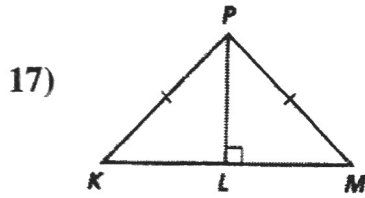
Reason:



Congruence:

$\Delta GJK \cong \Delta$ _____

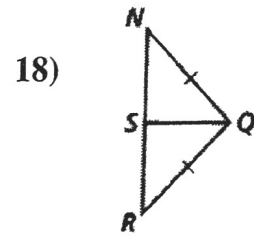
Reason:



Congruence:

$\Delta KLP \cong \Delta$ _____

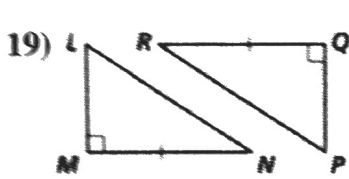
Reason:



Congruence:

$\Delta NSQ \cong \Delta$ _____

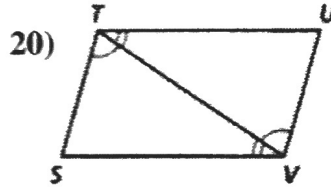
Reason:



Congruence:

$\Delta LMN \cong \Delta$ _____

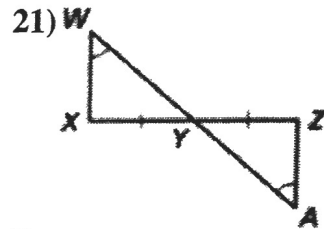
Reason:



Congruence:

$\Delta STV \cong \Delta$ _____

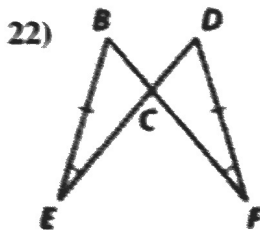
Reason:



Congruence:

$\Delta WXY \cong \Delta$ _____

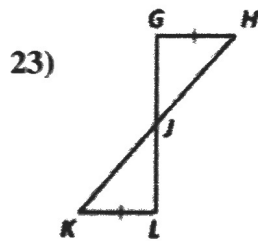
Reason:



Congruence:

$\Delta BCE \cong \Delta$ _____

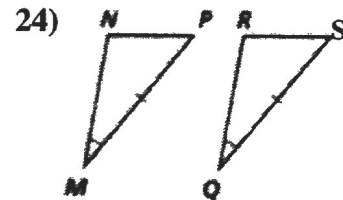
Reason:



Congruence:

$\Delta GHJ \cong \Delta$ _____

Reason:



Congruence:

$\Delta NPM \cong \Delta$ _____

Reason: