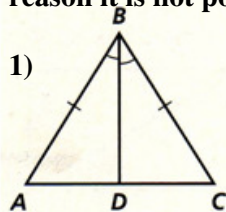


Geometry
Worksheet – Congruent Triangles

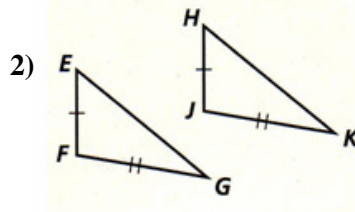
NAME _____

Date _____ HR _____

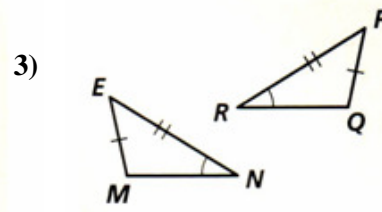
- a) Determine whether the following triangles are congruent.
 b) If they are, name the triangle congruence (pay attention to proper correspondence when naming the triangles) and then identify the Theorem or Postulate (SSS, SAS, ASA, AAS, HL) that supports your conclusion.
 c) Be sure to show any additional 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.



1)



2)



3)

Congruence:

$\triangle ABD \cong \triangle$ _____

Congruence:

$\triangle EFG \cong \triangle$ _____

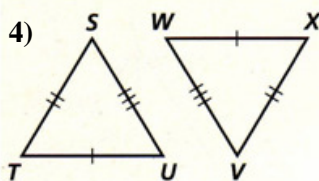
Congruence:

$\triangle EMN \cong \triangle$ _____

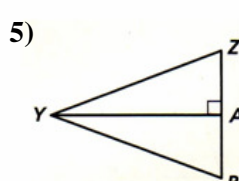
Reason:

Reason:

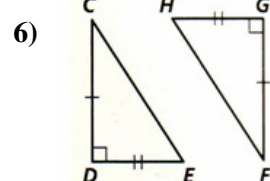
Reason:



4)



5)



6)

Congruence:

$\triangle STU \cong \triangle$ _____

Congruence:

$\triangle YZA \cong \triangle$ _____

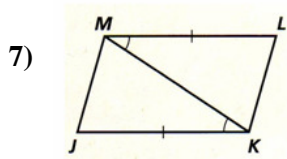
Congruence:

$\triangle CDE \cong \triangle$ _____

Reason:

Reason:

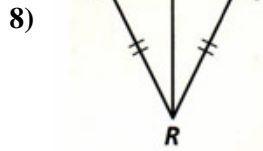
Reason:



Congruence:

$\Delta KJM \cong \Delta$ _____

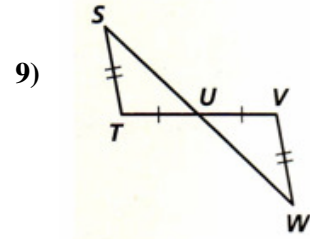
Reason:



Congruence:

$\Delta NPR \cong \Delta$ _____

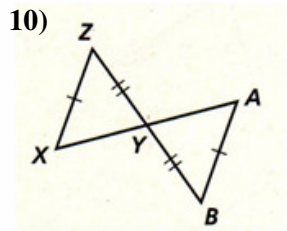
Reason:



Congruence:

$\Delta STU \cong \Delta$ _____

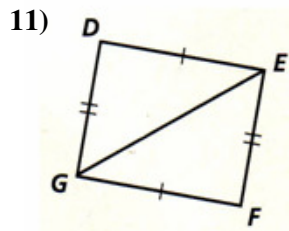
Reason:



Congruence:

$\Delta XYZ \cong \Delta$ _____

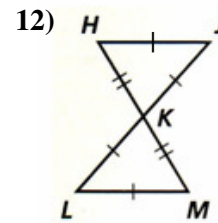
Reason:



Congruence:

$\Delta DEG \cong \Delta$ _____

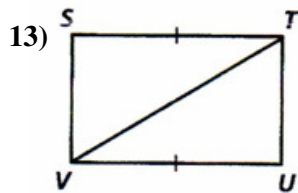
Reason:



Congruence:

$\Delta HJK \cong \Delta$ _____

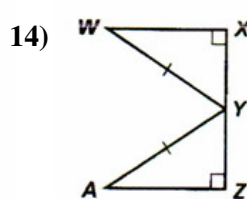
Reason:



Congruence:

$\Delta STV \cong \Delta$ _____

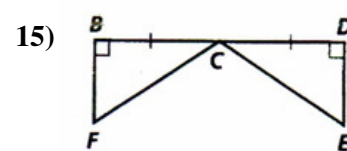
Reason:



Congruence:

$\Delta WXY \cong \Delta$ _____

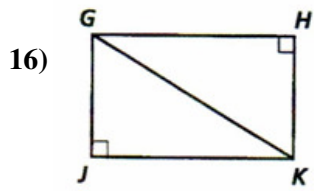
Reason:



Congruence:

$\Delta BCF \cong \Delta$ _____

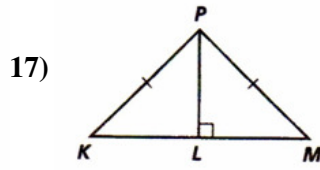
Reason:



Congruence:

$\Delta GJK \cong \Delta$ _____

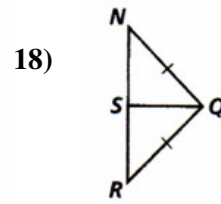
Reason:



Congruence:

$\Delta KLP \cong \Delta$ _____

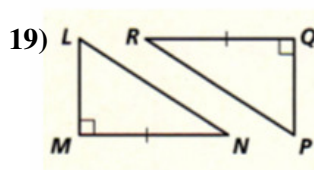
Reason:



Congruence:

$\Delta NSQ \cong \Delta$ _____

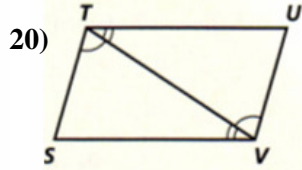
Reason:



Congruence:

$\Delta LMN \cong \Delta$ _____

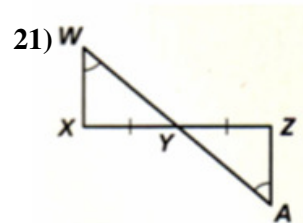
Reason:



Congruence:

$\Delta STV \cong \Delta$ _____

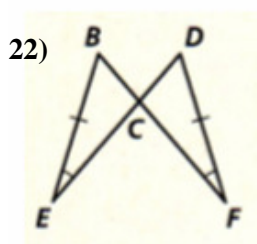
Reason:



Congruence:

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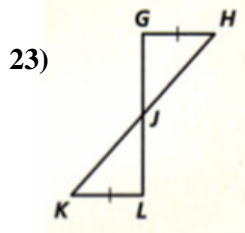
Reason:



Congruence:

$\Delta BCE \cong \Delta$ _____

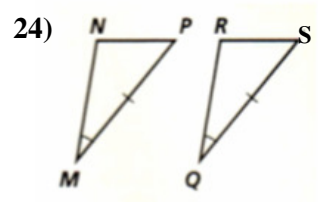
Reason:



Congruence:

$\Delta GHJ \cong \Delta$ _____

Reason:



Congruence:

$\Delta NPM \cong \Delta$ _____

Reason: