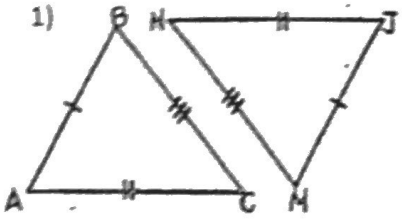
3.7 HW * Look for Shared Sides & Vertical ∠'s.

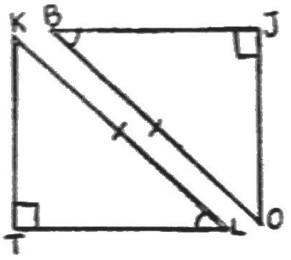
Congruent Triangles

Geometry

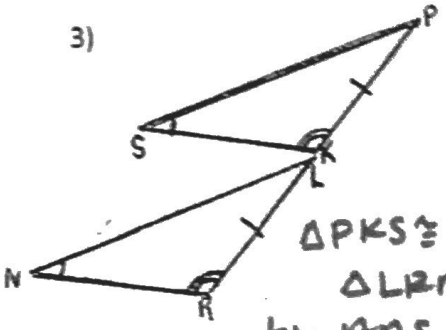
Directions: Determine whether there is enough information to state that the triangles are congruent. If there is, write a congruence statement. Then, identify which theorem or postulate could be used to prove they are congruent (SSS, SAS, ASA, AAS, or HL).

1) 

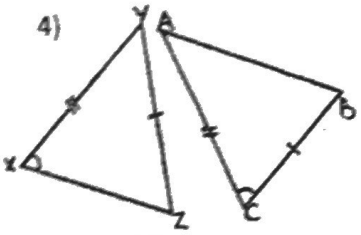
$\triangle ABC \cong \triangle JMN$ by SSS

2) 

$\triangle KTL \cong \triangle OJB$ by AAS

3) 

$\triangle PKS \cong \triangle LRN$ by AAS

4) 

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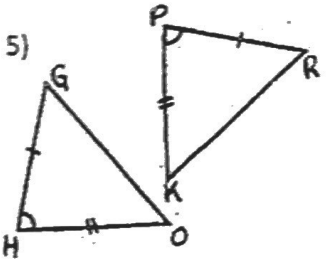
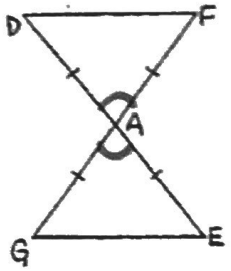
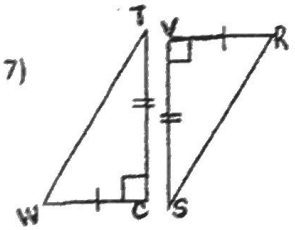
5) 

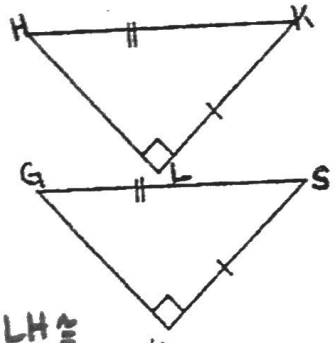
$\triangle GHO \cong \triangle$

6) 

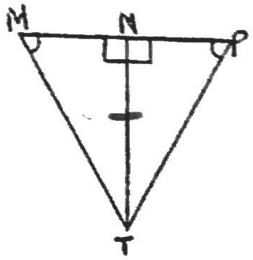
$\triangle DAF \cong \triangle GAE$ by SAS

7) 

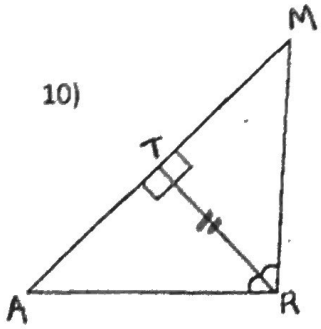
$\triangle TCW \cong \triangle SVR$ by SAS

8) 

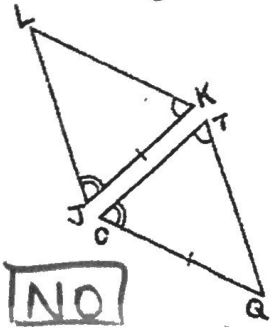
$\triangle KLH \cong \triangle GUS$ by HL

9) 

$\triangle MNT \cong \triangle PNT$ by AAS

10) 

$\triangle MTR \cong \triangle MTR$ by ASA

11) 

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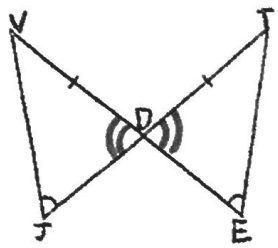
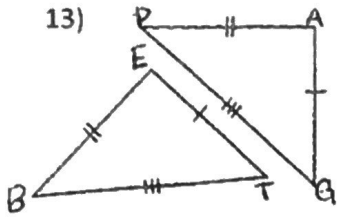
12) 

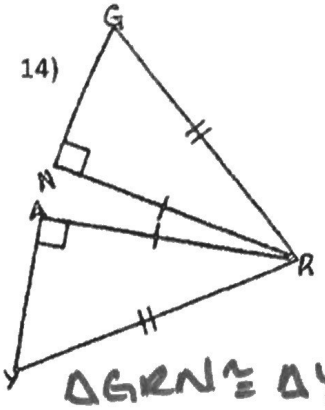
$\triangle VJD \cong \triangle TED$ by AAS

13)



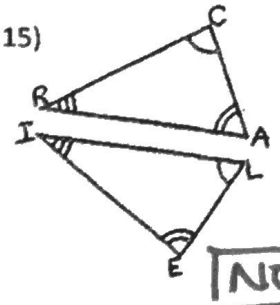
$\triangle BET \cong \triangle PAG$
by SSS

14)



$\triangle GRN \cong \triangle YRA$
by HL

15)



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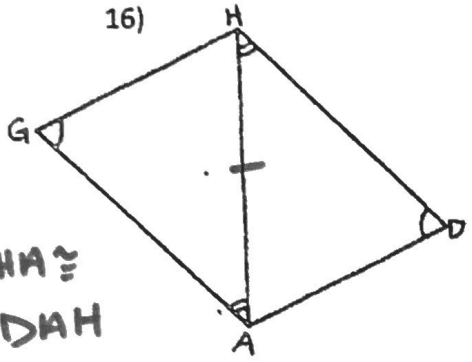
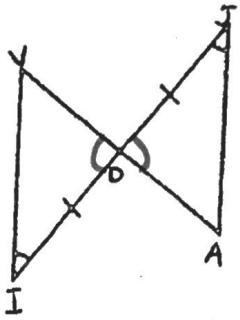


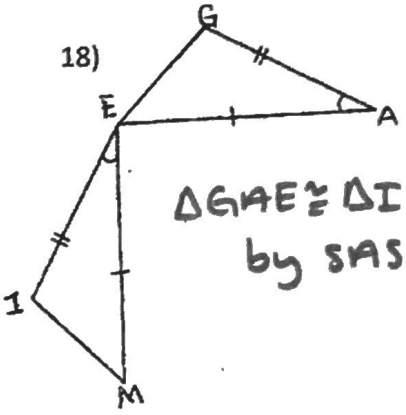
$\triangle GHA \cong \triangle DAH$
by AAS

17)



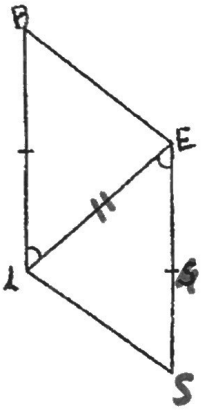
$\triangle VID \cong \triangle AJD$
by ASA

18)



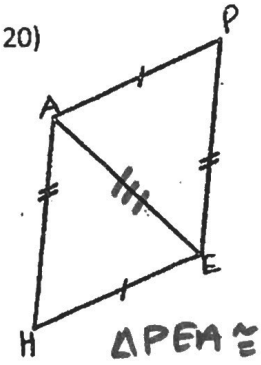
$\triangle GAE \cong \triangle IEM$
by SAS

19)



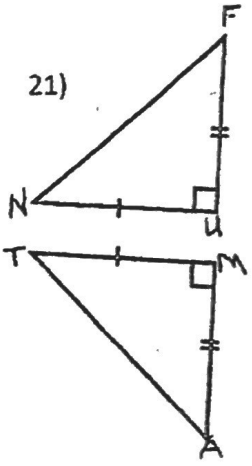
$\triangle BEL \cong \triangle SLE$
by SAS

20)



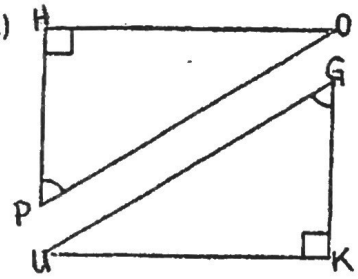
$\triangle PEA \cong \triangle HAE$
by SSS

21)



$\triangle FUN \cong \triangle AMT$
by SAS

22)



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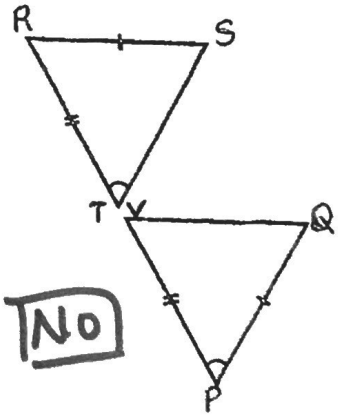

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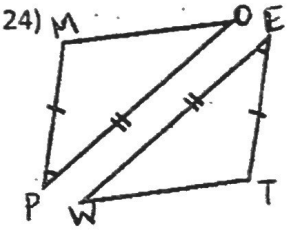

$\triangle MPO \cong \triangle TEW$
by SAS