Name: Key Period: SCORE: / = %=

8-5 HW Honors– SSS and SAS Triangle Congruence

Given that $\triangle DCT \cong \triangle FLG$ name the pairs of corresponding sides and angles.

1. SIDES:

ANGLES:

$\angle D \cong \angle F$

$\angle C \cong \angle L$ OR

$\angle T \cong \angle G$

$\angle DCT \cong \angle FLG$

$\angle CTD \cong \angle LGF$

$\angle TDC \cong \angle GFL$

For each triangle, name the included angle between the pair of sides given.

2. $\triangle MAT$: $\overline{MT}$ and $\overline{TA}$

3. $\triangle CDA$: $\overline{CA}$ and $\overline{DC}$

$\angle C$, $\angle ACD$ or $\angle DCA$

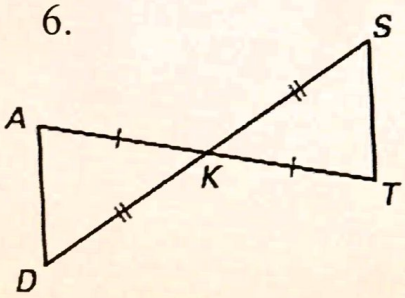
4. $\triangle PSC$: $\overline{CS}$ and $\overline{PS}$

5. $\triangle WDG$: $\overline{DG}$ and $\overline{GW}$

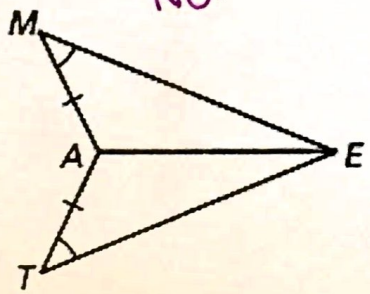
$\angle G$, $\angle WGD$ or $\angle DGW$

Decide whether enough information is given to prove that the triangles are congruent. If there is enough information, state the congruence postulate you would use.

6.



7. NO.



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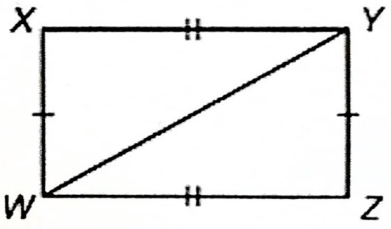

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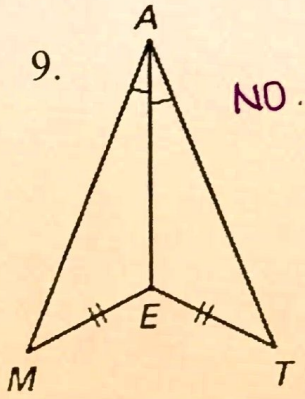
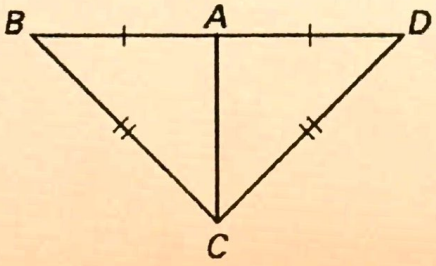
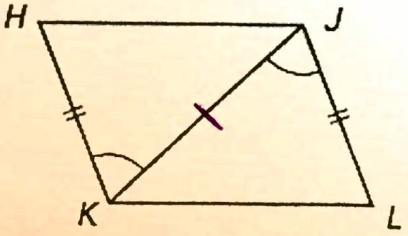


NO.

10.

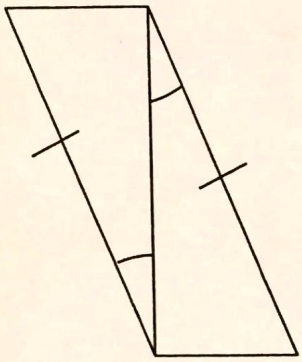


11. Yes, SAS

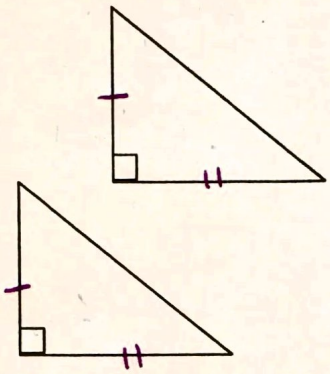


In each of the following pairs of triangles, add <u>only</u> the required markings in order to know that the triangles are congruent by the given postulate.

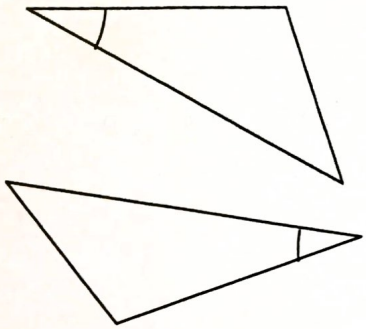
12. By SAS



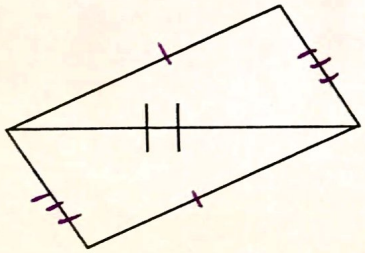
13. By SAS



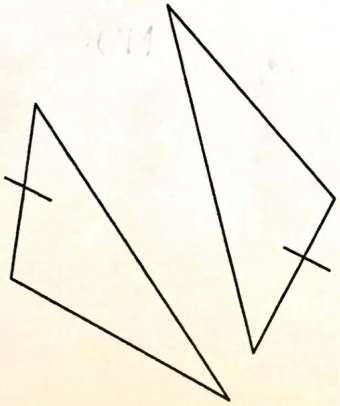
14. By SAS



15. By SSS



16. By SSS



17. By SAS