

Name:

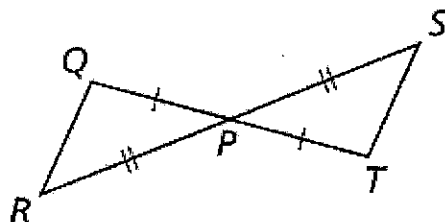
Date:

Period:

HW #5-9



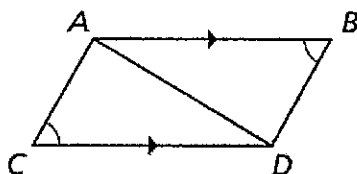
Given: $\overline{QP} \cong \overline{TP}$ and $\overline{RP} \cong \overline{SP}$
Prove: $\angle Q \cong \angle T$



Statements

Reasons

2. **Given:** $\angle C \cong \angle B$ and $\overline{AB} \parallel \overline{DC}$
Prove: $\overline{AC} \cong \overline{DB}$



Statements

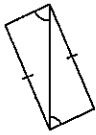
Reasons

3. In the above proof...how could we prove that $\overline{AC} \parallel \overline{DB}$?

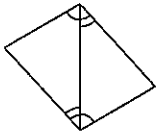


State if the two triangles are congruent. If they are, state how you know.

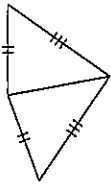
1)



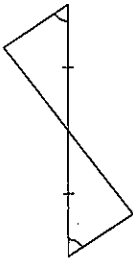
2)



3)



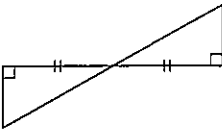
4)



5)



6)



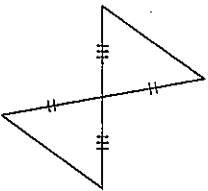
7)



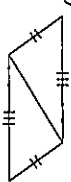
8)



9)

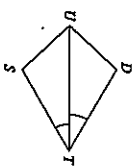


10)

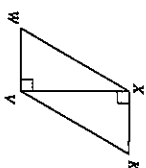


State what additional information is required in order to know that the triangles are congruent for the reason given.

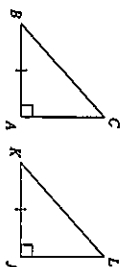
11) ASA



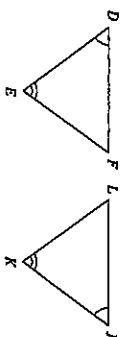
12) SAS



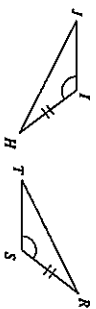
13) SAS



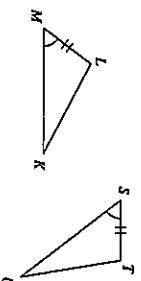
14) ASA



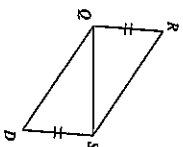
15) SAS



16) ASA



17) SSS



18) SAS

