

### 2.3 - Congruent Triangles

Complete each congruence statement by naming the corresponding angle or side.

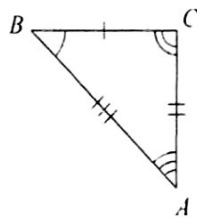
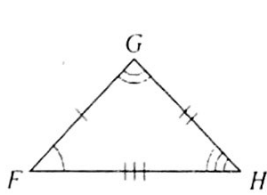
1)  $\triangle XYZ \cong \triangle ZQP$

$\angle YZX \cong ? \angle QPZ$

3)  $\triangle VWX \cong \triangle VLM$

$\angle W \cong ? \angle L$

5)  $\triangle FGH \cong \triangle BCA$



$\overline{GH} \cong ? \overline{CA}$

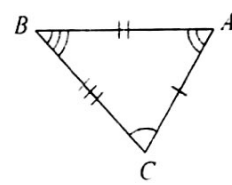
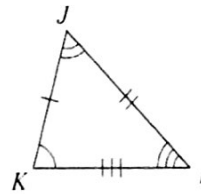
2)  $\triangle ABC \cong \triangle APR$

$\overline{AB} \cong ? \overline{AP}$

4)  $\triangle DFE \cong \triangle XYZ$

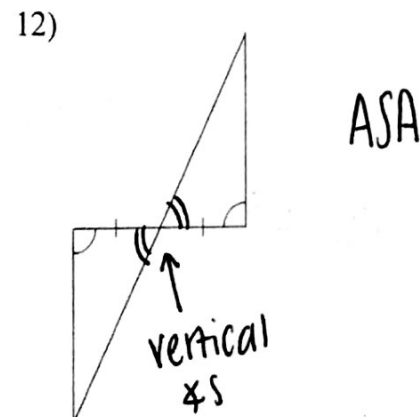
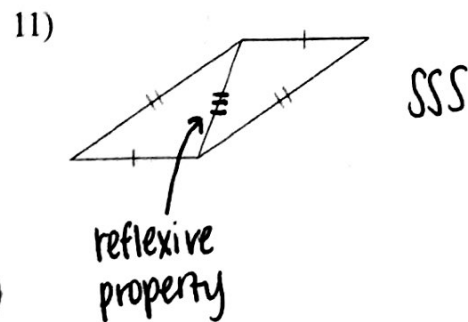
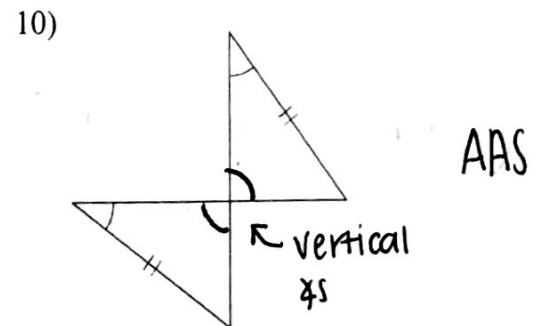
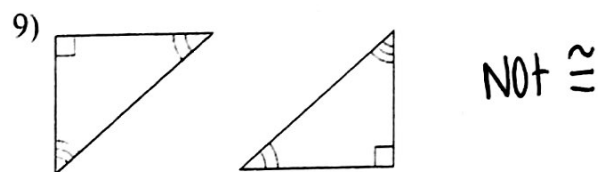
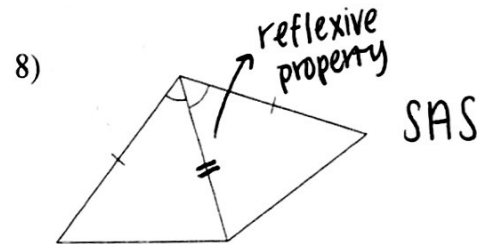
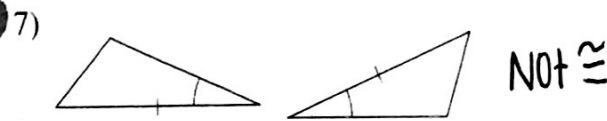
$\overline{FE} \cong ? \overline{YZ}$

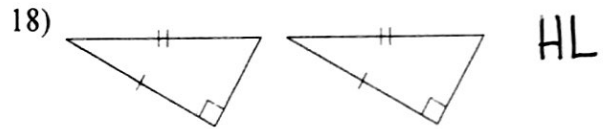
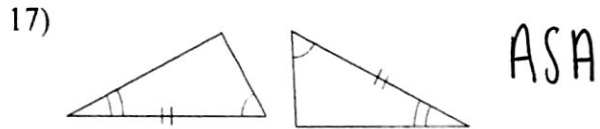
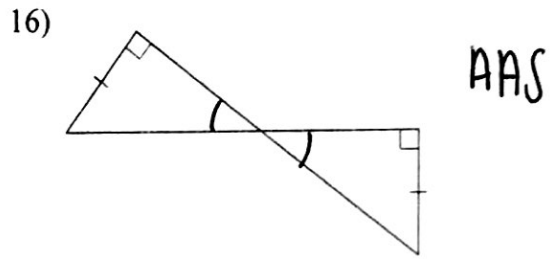
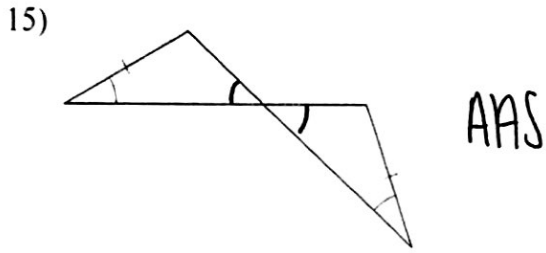
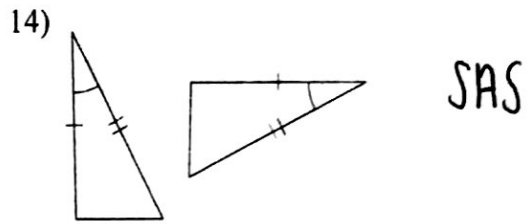
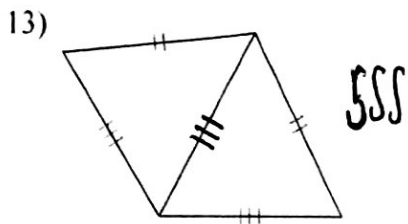
6)  $\triangle KJI \cong \triangle CAB$



$\angle J \cong ? \angle A$

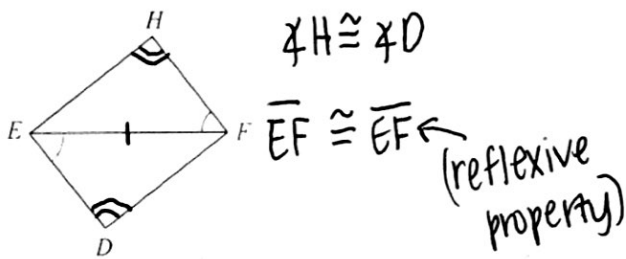
State if the two triangles are congruent by SSS, SAS, ASA, AAS, or HL. If they are not congruent, write NOT CONGRUENT.



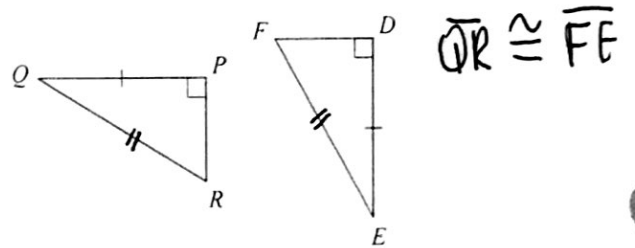


State what additional information is required in order to know that the triangles are congruent for the reason given.

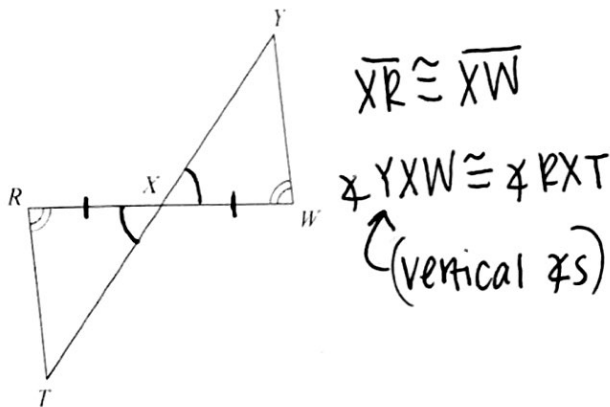
19) AAS



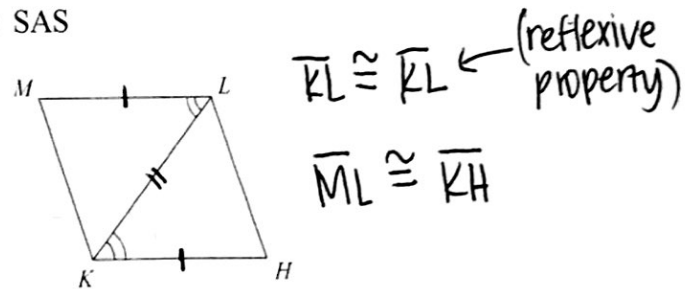
20) HL



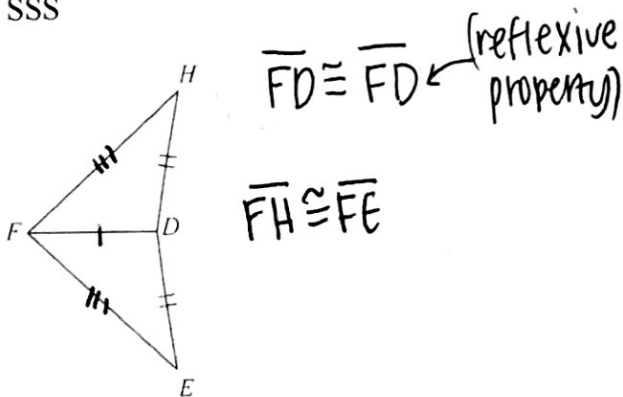
21) ASA



22) SAS



23) SSS



24) ASA

