

16.2 Triangle Congruence

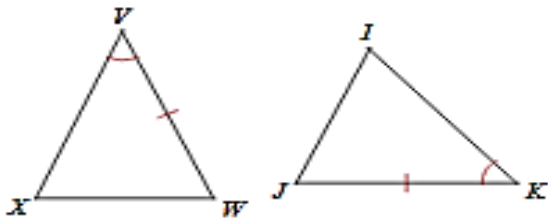
Are the triangles congruent? Write the congruence statement and the reason.

<p>1. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>2. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>3. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>
<p>4. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>5. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>6. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>
<p>7. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>8. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>9. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>
<p>10. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>11. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>12. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>

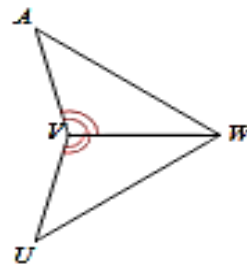
<p>13. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>14. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>	<p>15. $\triangle \text{---} \cong \triangle \text{---}$ Circle: SAS ASA SSS OR NOT CONGRUENT</p>

Write the congruency statement for what additional information is required in order to know that the triangles are congruent for the reason given (SSS, SAS, ASA, AAS, HL). Then add the markings to the triangles to show they are congruent.

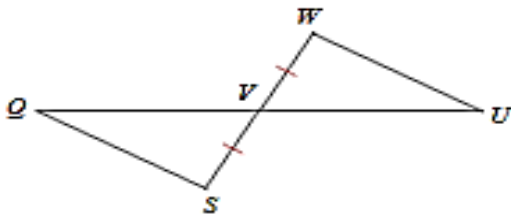
16) ASA



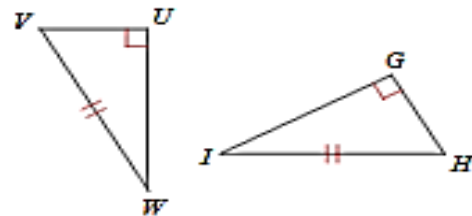
17) SAS



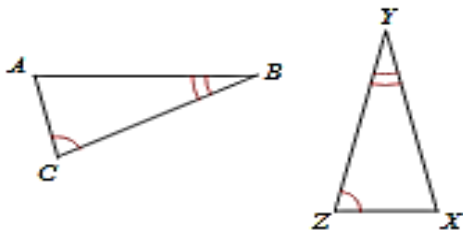
18) AAS



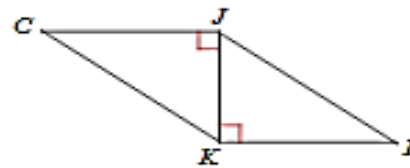
19) HL



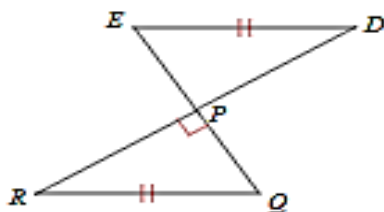
20) ASA



21) HL



22) HL



23) AAS

