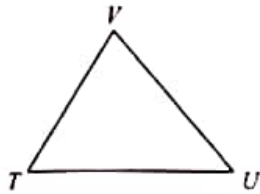
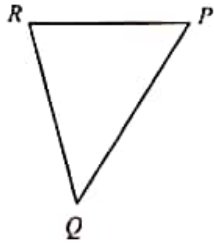


7.1 Worksheet

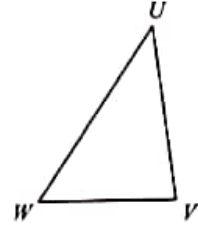
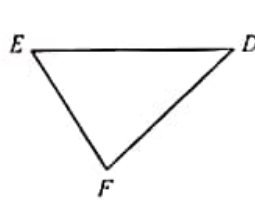
Complete each congruence statement by naming the corresponding angle or side.

1) $\triangle PQR \cong \triangle TUV$



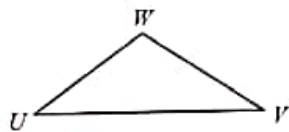
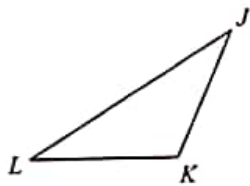
$\overline{PQ} \cong ? \overline{TU}$

2) $\triangle EDF \cong \triangle WUV$



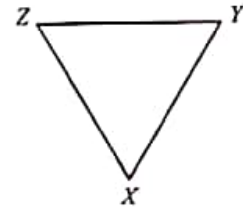
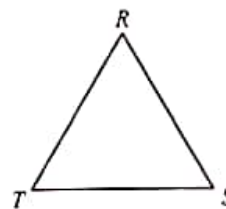
$\overline{DF} \cong ? \overline{UV}$

3) $\triangle JKL \cong \triangle UWV$



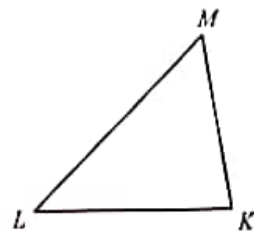
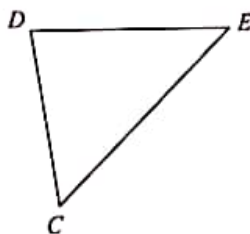
$\angle L \cong ? \angle V$

4) $\triangle RST \cong \triangle XYZ$



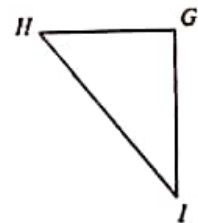
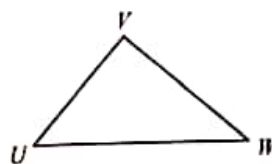
$\angle T \cong ? \angle Z$

5) $\triangle DEC \cong \triangle KLM$



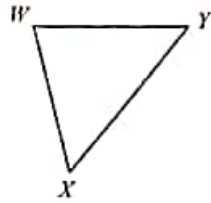
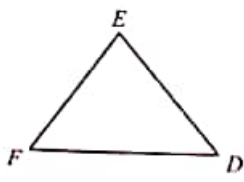
$\angle E \cong ? \angle L$

6) $\triangle UVW \cong \triangle HGI$



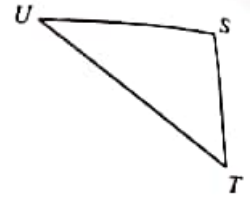
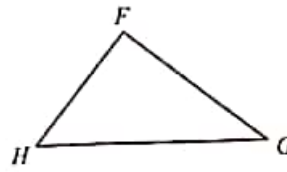
$\overline{WU} \cong ? \overline{IH}$

7) $\triangle FED \cong \triangle XWY$



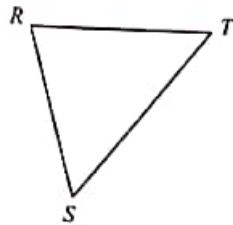
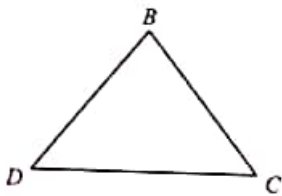
$\angle E \cong ? \angle W$

8) $\triangle GHF \cong \triangle UTS$



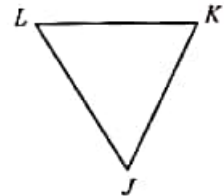
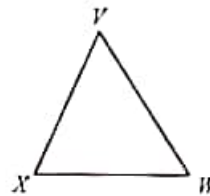
$\overline{FG} \cong ? \overline{SU}$

9) $\triangle BCD \cong \triangle RST$



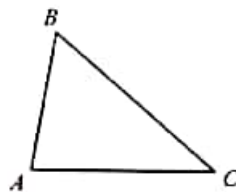
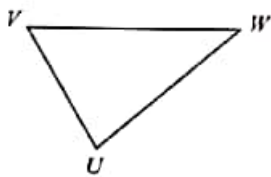
$\angle C \cong ? \angle S$

10) $\triangle WXV \cong \triangle JKL$



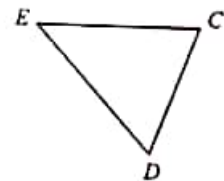
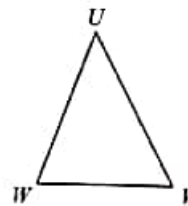
$\angle W \cong ? \angle J$

11) $\triangle UVW \cong \triangle ABC$



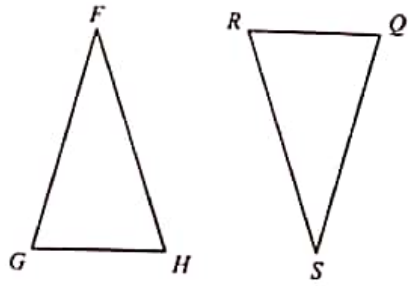
$\overline{UV} \cong ? \overline{AB}$

12) $\triangle UVW \cong \triangle EDC$



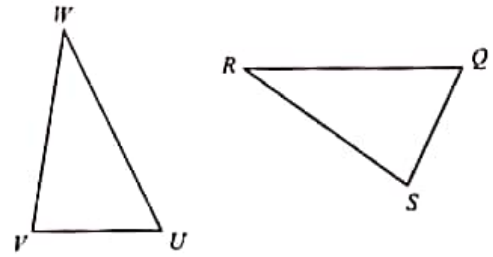
$\overline{WU} \cong ? \overline{CE}$

13) $\triangle HGF \cong \triangle QRS$



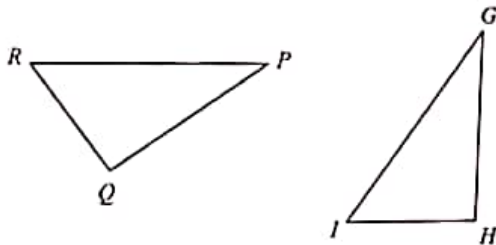
$\overline{HG} \cong ? \overline{QR}$

14) $\triangle WUV \cong \triangle RQS$



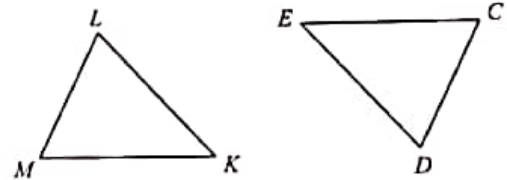
$\angle W \cong ? \angle R$

15) $\triangle QRP \cong \triangle HIG$



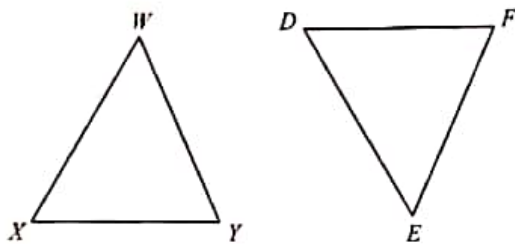
$\angle P \cong ? \angle G$

16) $\triangle MLK \cong \triangle CDE$



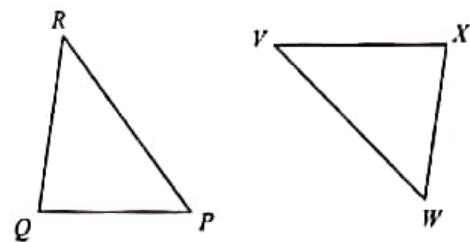
$\angle M \cong ? \angle C$

17) $\triangle XWY \cong \triangle DEF$



$\angle W \cong ? \angle E$

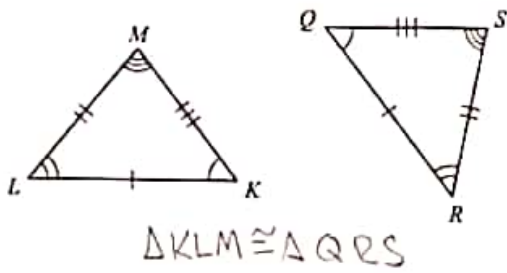
18) $\triangle PQR \cong \triangle WXV$



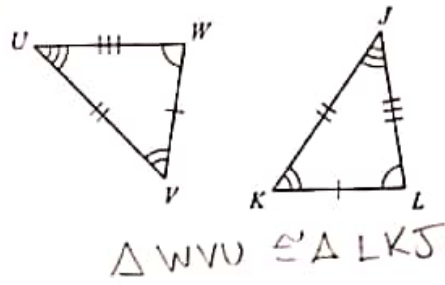
$\overline{RP} \cong ? \overline{VW}$

Write a statement that indicates that the triangles in each pair are congruent.

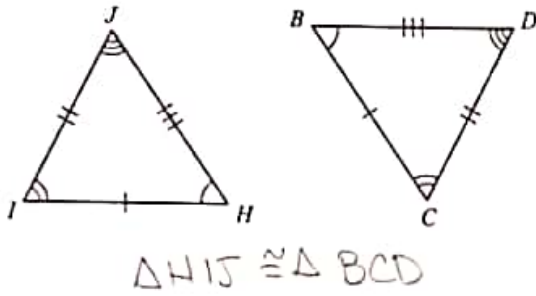
19)



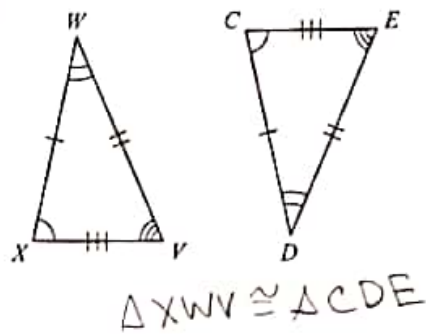
20)



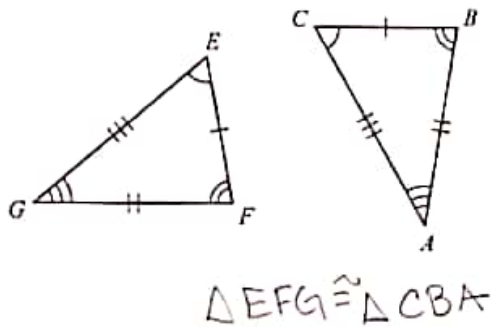
21)



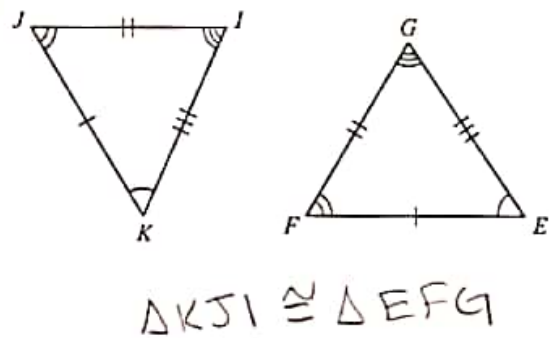
22)



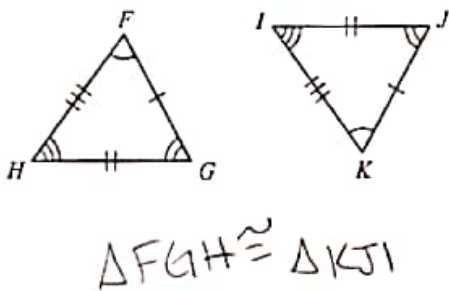
23)



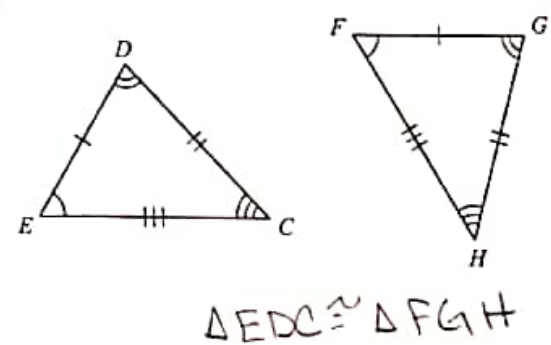
24)



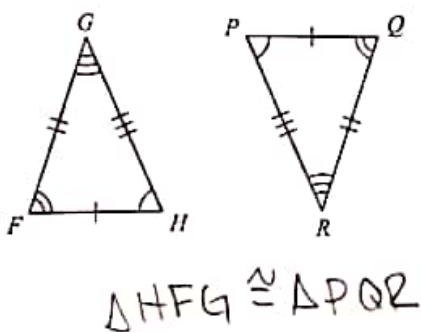
25)



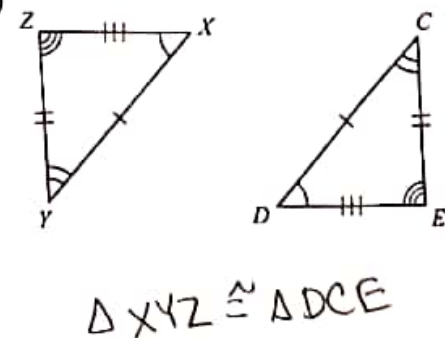
26)



27)



28)



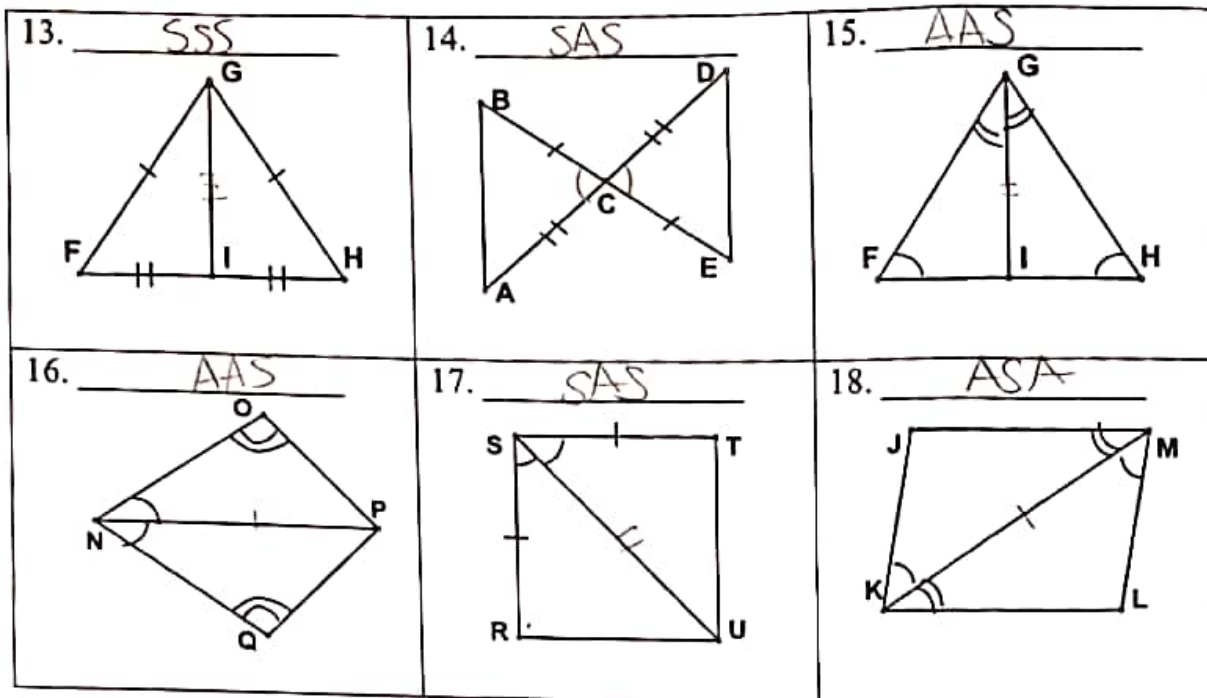
Triangle Congruence Worksheet

For each pair to triangles, state the postulate or theorem that can be used to conclude that the triangles are congruent.

<p>1. <u>SAS</u></p>	<p>2. <u>SSS</u></p>	<p>3. <u>ASA</u></p>
<p>4. <u>ASA</u></p>	<p>5. <u>AAS</u></p>	<p>6. <u>SAS</u></p>
<p>7. <u>AAS</u></p>	<p>8. <u>ASA</u></p>	<p>9. <u>SSS</u></p>
<p>10. <u>ASA</u></p>	<p>11. <u>NONE</u></p>	<p>12. <u>SSS</u></p>

Name - _____

Period - _____



For each set of triangles above, complete the triangle congruence statement.

- | | | |
|--|---|---|
| 1. $\triangle FIG \cong \triangle \underline{HIG}$ | 7. $\triangle ACB \cong \triangle \underline{DCE}$ | 13. $\triangle FIG \cong \triangle \underline{HIG}$ |
| 2. $\triangle NOP \cong \triangle \underline{NPQ}$ | 8. $\triangle GFI \cong \triangle \underline{GHI}$ | 14. $\triangle CAB \cong \triangle \underline{CDE}$ |
| 3. $\triangle ABC \cong \triangle \underline{DEC}$ | 9. $\triangle KLM \cong \triangle \underline{MKL}$ | 15. $\triangle FGI \cong \triangle \underline{HGI}$ |
| 4. $\triangle STU \cong \triangle \underline{SRU}$ | 10. $\triangle PON \cong \triangle \underline{PQN}$ | 16. $\triangle NOP \cong \triangle \underline{NPQ}$ |
| 5. $\triangle JKM \cong \triangle \underline{LMK}$ | 11. $\triangle KJM \cong \triangle \underline{MLK}$ | 17. $\triangle RUS \cong \triangle \underline{TUS}$ |
| 6. $\triangle OPN \cong \triangle \underline{QPN}$ | 12. $\triangle SUR \cong \triangle \underline{SUT}$ | 18. $\triangle JKM \cong \triangle \underline{LMK}$ |