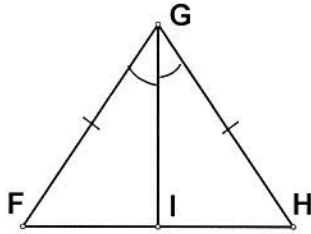
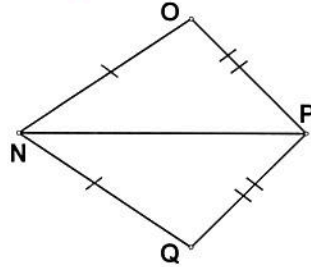
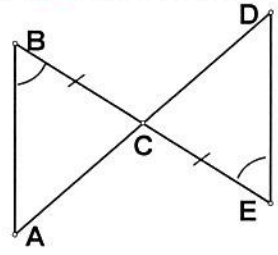
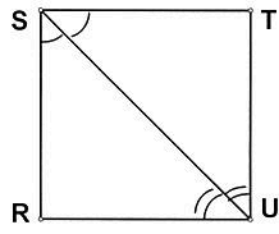
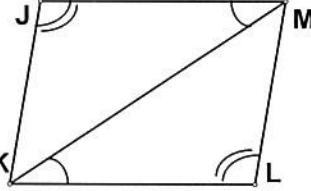
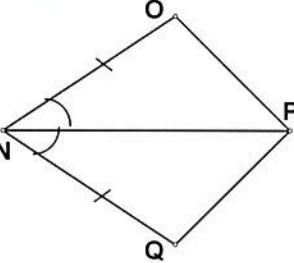
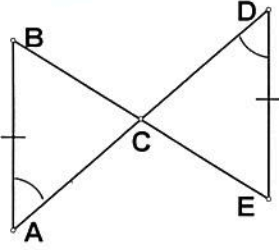
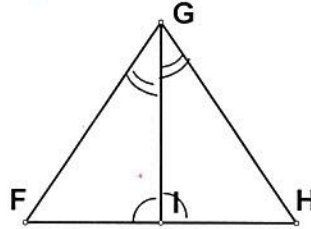
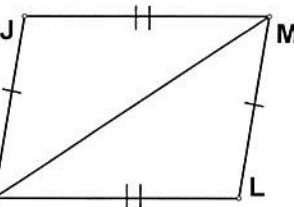
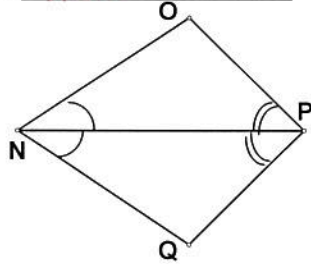
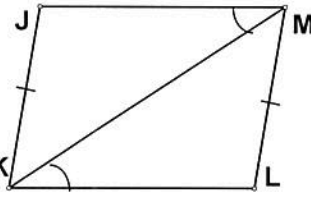
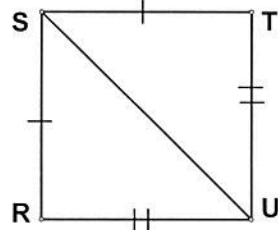
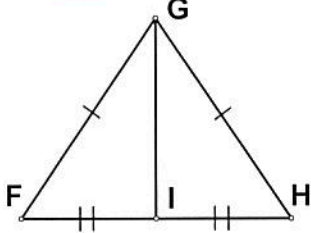
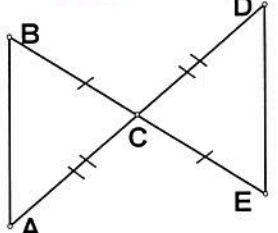
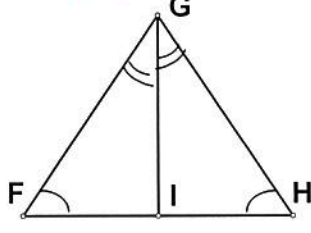
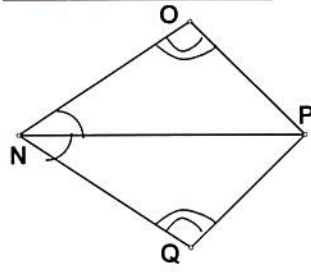
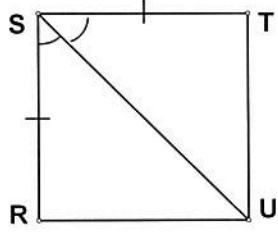
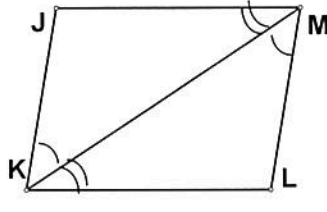


### Triangle Congruence Worksheet

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>not ≅</u></p> 	<p>12. <u>SSS</u></p> 

<p>13. <u>SSS</u></p> 	<p>14. <u>SAS</u></p> 	<p>15. <u>AAS</u></p> 
<p>16. <u>AAS</u></p> 	<p>17. <u>SAS</u></p> 	<p>18. <u>ASA</u></p> 

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. $\triangle NOP \cong \triangle \underline{NQP}$ | 8. $\triangle GFI \cong \triangle \underline{GHI}$  | 14. $\triangle CAB \cong \triangle \underline{CDE}$ |
| 3. $\triangle ABC \cong \triangle \underline{DEC}$ | 9. $\triangle KLM \cong \triangle \underline{MJK}$  | 15. $\triangle FGI \cong \triangle \underline{HGI}$ |
| 4. $\triangle STU \cong \triangle \underline{SRU}$ | 10. $\triangle PON \cong \triangle \underline{PQN}$ | 16. $\triangle NOP \cong \triangle \underline{NQP}$ |
| 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. $\triangle JKM \cong \triangle \underline{LMK}$ |