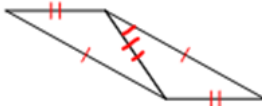
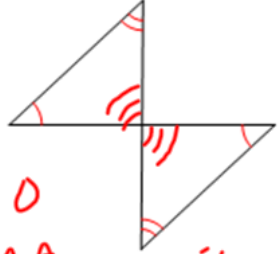
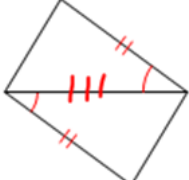

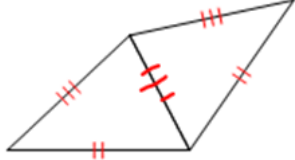
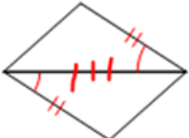
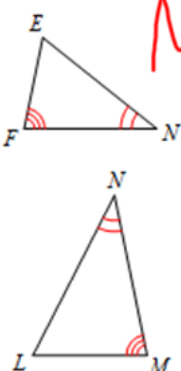
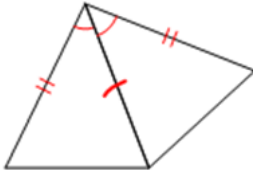
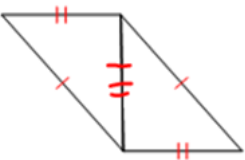
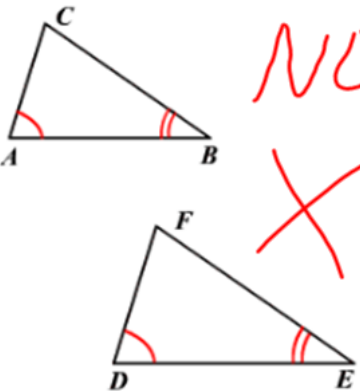
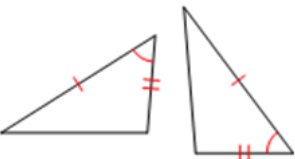
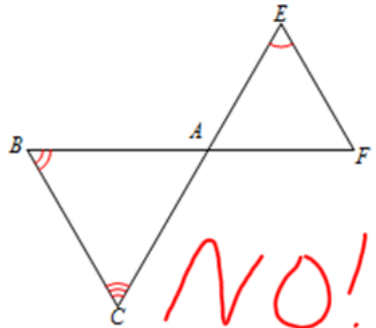


4.2 PRACTICE

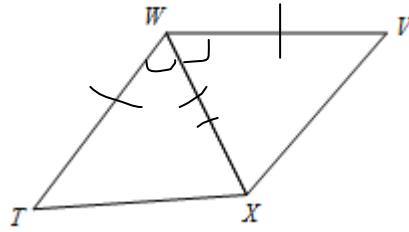
State if the two triangles are congruent. If they are, state why.		
<p>1.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">SSS</p>	<p>2.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">NO AAA doesn't work!</p>	<p>3.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">SAS</p>
<p>4.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">NO! AAA X</p>	<p>5.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">SSS</p>	<p>6.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">SAS</p>
<p>7.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">NO! X</p>	<p>8.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">SAS</p>	<p>9.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">SSS</p>
<p>10.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">NO! X</p>	<p>11.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">SAS</p>	<p>12.</p>  <p style="color: red; font-size: 1.5em; text-align: center;">NO! X</p>

Mark the picture. Answer the question. Prove it.

13.

Given: $\angle TWX \cong \angle VWX$
 $\overline{TW} \cong \overline{WV}$

Prove: $\triangle XWV \cong \triangle XWT$



WHY ARE THE TWO TRIANGLES CONGRUENT? **SAS**

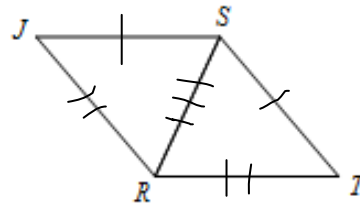
STATEMENTS	REASONS
1. $\angle TWX \cong \angle VWX$ $\overline{TW} \cong \overline{WV}$	1. Given
2. $\overline{WX} \cong \overline{WX}$	2. Reflexive Property
3. $\triangle XWV \cong \triangle XWT$	3. SAS

Mark the picture. Answer the question. Prove it.

14.

Given: $\overline{ST} \cong \overline{SJ}$
 $\overline{JR} \cong \overline{TR}$

Prove: $\triangle RST \cong \triangle RSJ$



WHY ARE THE TWO TRIANGLES CONGRUENT? **SSS**

STATEMENTS	REASONS
1. $\overline{ST} \cong \overline{SJ}$ $\overline{JR} \cong \overline{TR}$	1. Given
2. $\overline{SR} \cong \overline{SR}$	2. Reflexive Property
3. $\triangle RST \cong \triangle RSJ$	3. SSS