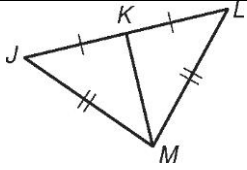
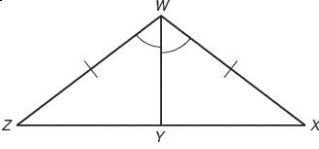
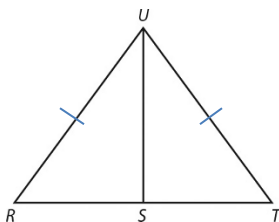
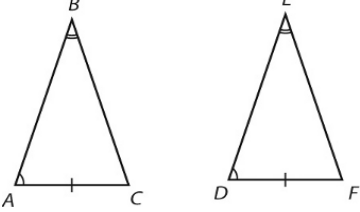
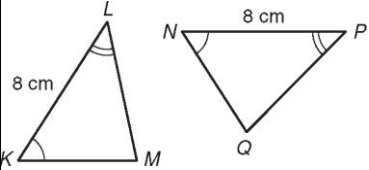
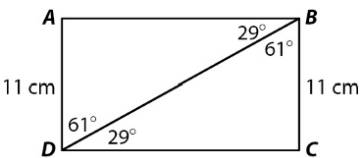
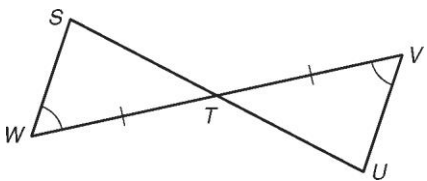
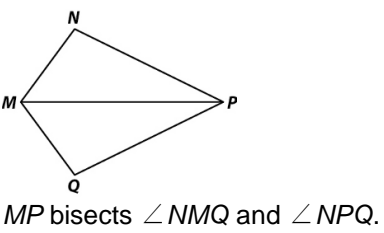


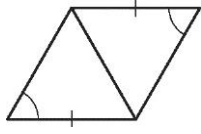
Name \_\_\_\_\_

Instructions: Decide which congruence shortcut, if any, can be used to prove the triangles congruent. Explain your reasoning.

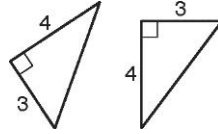
If the triangles are congruent, write the congruence statement. For example:  $\triangle ABC \cong \triangle EDF$

	
 <p>S is the midpoint of <math>\overline{RT}</math></p>	
	
	 <p><math>MP</math> bisects <math>\angle NMQ</math> and <math>\angle NPQ</math>.</p>

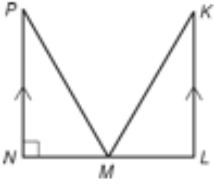
Write which of the congruence shortcuts can be used to prove the triangles congruent.  
**If no shortcuts can be used, write NONE.**



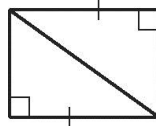
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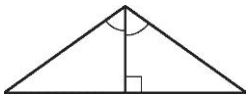


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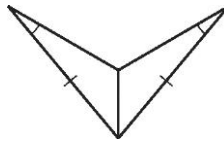


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$M$  is the midpoint of  $\overline{NL}$

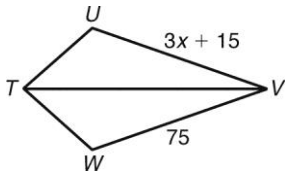


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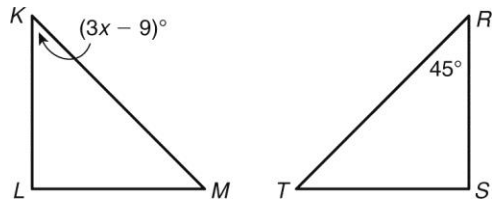
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Find the value of  $x$  so that the triangles are congruent. Show all work!



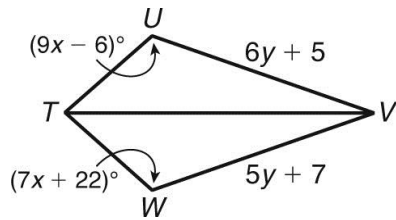
Given:  $\triangle TUV \cong \triangle TWV$ .

$x =$  \_\_\_\_\_



Given:  $\triangle KLM \cong \triangle RST$

$x =$  \_\_\_\_\_



Given:  $\triangle TUV \cong \triangle TWV$ .

$m\angle U =$  \_\_\_\_\_

$UV =$  \_\_\_\_\_

Write a proof. You may write a paragraph proof, flow chart proof, or two-column proof.

**Given:**  $C$  is the midpoint of  $\overline{AD}$  and  $\overline{BE}$ .

**Prove:**  $\triangle ABC \cong \triangle DEC$

