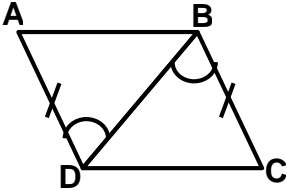
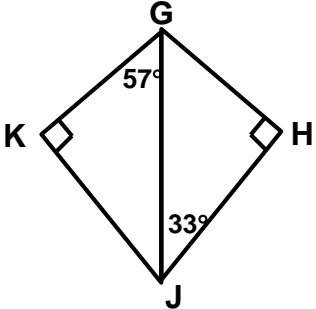


NAME _____ DATE _____ PER. _____

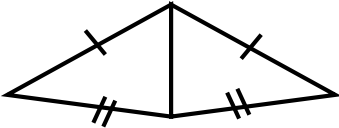
5.3 – 5.6B Showing Triangle Congruence; Triangle Proofs

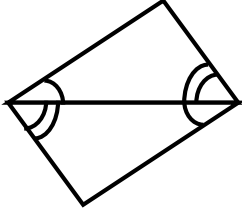
For each problem below, state each of the following: **a) State the congruent parts**
b) State how the triangles are congruent c) **State the congruence.**

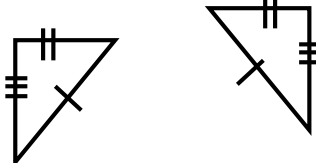
<p>1. a) _____ _____ _____</p> <p>b) _____</p> <p>c) _____</p>	
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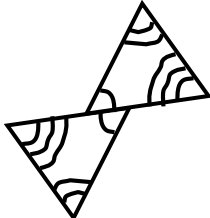
<p>2. a) _____ _____ _____</p> <p>b) _____</p> <p>c) _____</p>	
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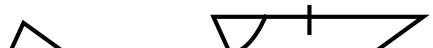
Which postulate (if any) should be used to show the triangles congruent?

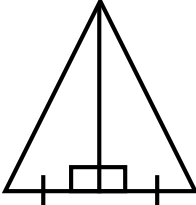
<p>3. _____</p>	
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<p>4. _____</p>	
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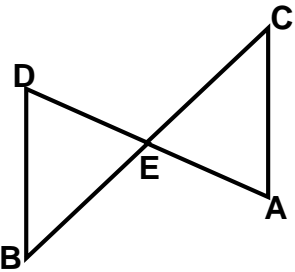
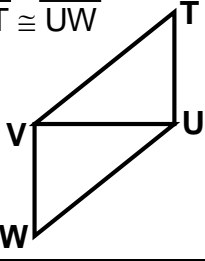
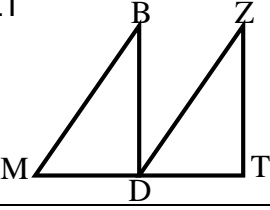
<p>5. _____</p>	
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<p>6. _____</p>	
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7. _____	
8. _____	

Mark the drawing to show the given information and fill in the blanks.

<p>9. $\triangle DEB \cong \triangle$ _____ by _____.</p>	<p>$\overline{DE} \cong \overline{EC}$ and $\overline{BE} \cong \overline{AE}$</p> 
<p>10. $\triangle TUV \cong \triangle$ _____ by _____</p>	<p>$\angle TVU \cong \angle WUV$ and $\overline{VT} \cong \overline{UW}$</p> 
<p>11. $\triangle MDB \cong \triangle$ _____ by _____</p>	<p>D is the midpoint of \overline{MT}, $\angle MDB$ and $\angle T$ are right angles, and $\overline{BD} \cong \overline{ZT}$</p> 
<p>12. $\triangle BAD \cong \triangle$ _____ by _____</p>	<p>\overrightarrow{AD} is the angle bisector of $\angle BAC$ and $\overline{BA} \cong \overline{CA}$</p> 