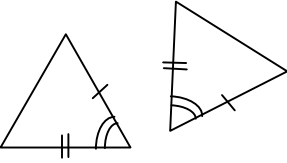
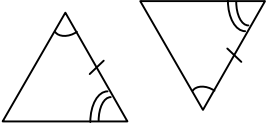
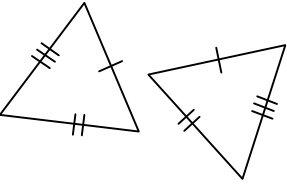
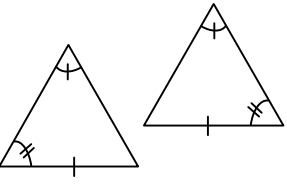
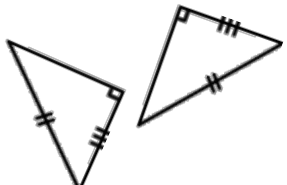
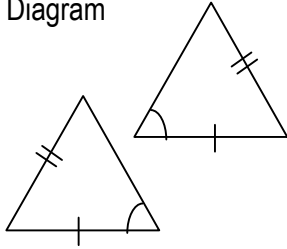
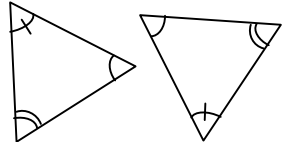
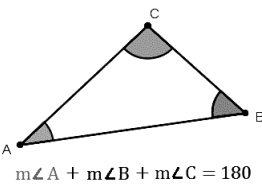
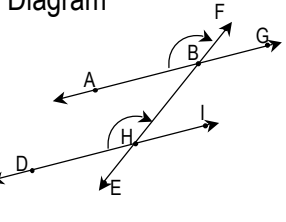
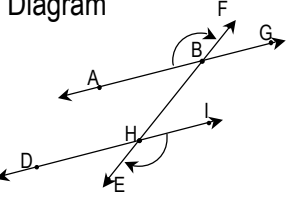
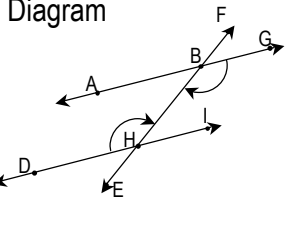
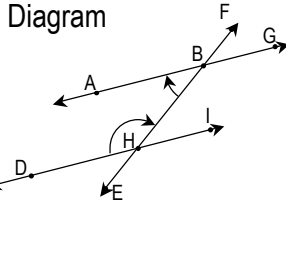
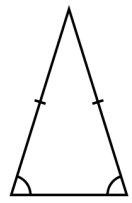
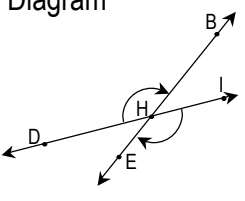


<p>Diagram</p> 	<p>Term <b>SAS</b> ≅</p> <p>Notation/Name:</p>	<p>Description: Two triangles are congruent if two pairs of corresponding sides and the pair of corresponding angles between the sides are congruent.</p>	<p>Examples:</p> <p>Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>ASA</b> ≅</p> <p>Notation/Name:</p>	<p>Description: Two triangles are congruent if two pairs of corresponding angles and the pair of corresponding sides between the angles are congruent.</p>	<p>Examples:</p> <p>Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>SSS</b> ≅</p> <p>Notation/Name:</p>	<p>Description: Two triangles are congruent if three pairs of corresponding sides are congruent.</p>	<p>Examples:</p> <p>Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>AAS</b> ≅</p> <p>Notation/Name:</p>	<p>Description: Two triangles are congruent if two pairs of corresponding angles and a pair of corresponding sides not between the angles are congruent.</p>	<p>Examples:</p> <p>Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>HL</b> ≅</p> <p>Notation/Name:</p>	<p>Description: Two triangles are congruent if a pair of corresponding angles are right angles, a pair of corresponding legs are congruent, and the pair of hypotenuses are congruent.</p>	<p>Examples:</p> <p>Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>SSA</b></p> <p>Notation/Name:</p>	<p>Description: Two triangles are NOT NECESSARILY congruent if two pairs of corresponding sides are congruent and pair of corresponding angles NOT between the sides are congruent.</p>	<p>Examples:</p> <p>Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>AAA</b></p> <p>Notation/Name:</p>	<p>Description: Two triangles are NOT NECESSARILY congruent if three pairs of corresponding angles are congruent.</p>	<p>Examples:</p> <p>Non-Examples:</p>

<p>Diagram</p>  <p><math>m\angle A + m\angle B + m\angle C = 180</math></p>	<p>Term <b>Triangle Sum Theorem</b> Notation/Name:</p>	<p>Description: If three angles are the angles of a triangle, then the sum of the three angles is <math>180^\circ</math></p>	<p>Examples:  Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>Corresponding angles postulate</b> Notation/Name:</p>	<p>Description: If lines are parallel then corresponding angles are congruent. <b>Converse:</b> If corresponding angles are congruent then lines are parallel.</p>	<p>Examples:  Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>Alternate Exterior Angles Theorem</b> Notation/Name:</p>	<p>Description: If lines are parallel then alternate exterior angles are congruent. <b>Converse:</b> If alternate exterior angles are congruent then lines are parallel.</p>	<p>Examples:  Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>Alternate Interior Angles Theorem</b> Notation/Name:</p>	<p>Description: If lines are parallel then alternate interior angles are congruent. <b>Converse:</b> If alternate interior angles are congruent then lines are parallel.</p>	<p>Examples:  Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>Same Side Interior Angles Theorem</b> Notation/Name:</p>	<p>Description: If lines are parallel then same side interior angles are supplementary. <b>Converse:</b> If same side interior angles are supplementary then lines are parallel.</p>	<p>Examples:  Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>Isosceles Triangle Theorem</b> Notation/Name:</p>	<p>Description: If a triangle is isosceles, then the base angles are congruent. <b>Converse:</b> If a triangle has congruent base angles, then the triangle is isosceles.</p>	<p>Examples:  Non-Examples:</p>
<p>Diagram</p> 	<p>Term <b>Vertical Angles Theorem</b> Notation/Name:</p>	<p>Description: If two angles are vertical angles, then they are congruent.</p>	<p>Examples:  Non-Examples:</p>

<p>Term <b>Angle Bisector</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Segment Bisector</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Midpoint</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Parallel Lines</b></p> <p>Abbreviation or Symbol</p>	<p>Diagram</p>	<p>What do I get out of having this information? <b>(also 4.2 &amp; 4.5 notes)</b></p> <hr/>
<p>Term <b>Vertical Angles</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Linear Pair</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Triangle Sum</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>

<p>Term <b>Reflexive Property</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Isosceles Triangle And Isosceles Triangle Theorem</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Perpendicular Lines</b></p> <p>Abbreviation or Symbol</p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Exterior Angle Theorem</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Substitution of equal values</b></p> <p>Abbreviation or Symbol</p>	<p>Example</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b>Inverse operations</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Example</p>	<p>What do I get out of having this information?</p> <hr/>
<p>Term <b><math>\cong \Delta</math>'s have <math>\cong</math> corresp. parts</b></p> <p>Abbreviation or Symbol <b>None</b></p>	<p>Diagram/Example</p>	<p>What do I get out of having this information?</p>