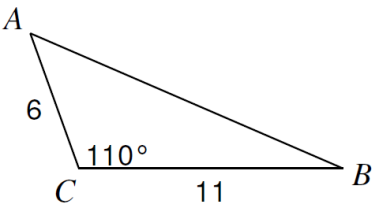
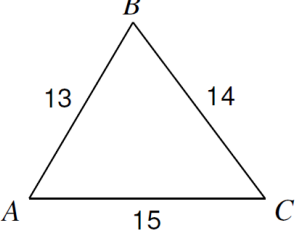


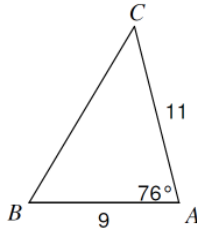
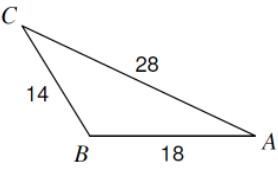
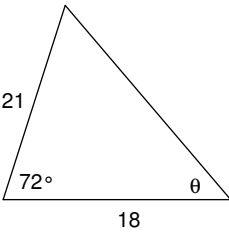
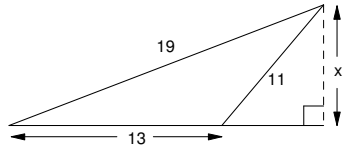
7.2 – Law of Cosines

Law of Cosines “Formulas” → 1.) _____
 2.) _____
 3.) _____

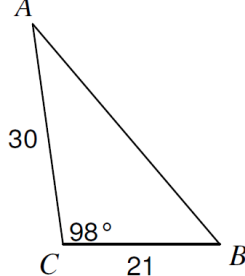
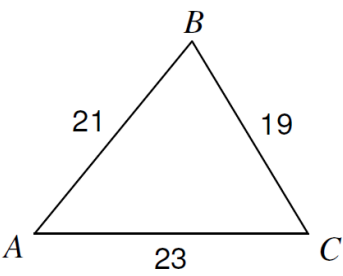
– Only use the Law of Cosines to solve a triangle if given the following:

Given Triangle # 1	Given Triangle # 2	Important when Solving w/ LOC
 <p>Type of Triangle: _____</p>	 <p>Type of Triangle: _____</p>	<ul style="list-style-type: none"> • Given SAS triangle → FIRST find... the missing side of given angle • Given SSS triangle → FIRST find... the largest angle which will be across from longest side • Once used the Law of Cosines – May use Law of Sines because will be able to set up a proportion

Example 1: Find indicated side or indicated angle. Round to tenth place.

<p>a.) Find side a.</p> 	<p>b.) Find angle C.</p> 	<p>c.) Find angle θ.</p> 	<p>d.) Find side x.</p> 
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Example 2: Solve each triangle. Round to tenth place.

<p>a.)</p> 	<p>b.)</p> 
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