Law of Cosines

 As always, use an inverse function when solving for an angle measure.

Example 1 Solve given the diagram.



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Example 2 (SSS): Solve  given a = 9.47 ft., b = 15.9 ft. and c = 21.1 ft.

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Use Heron’s Formula to find the area of an oblique triangle given SSS

Step 1: Find the semi – perimeter of the triangle: 

Step 2: Apply *Heron’s formula*: 