Law of Cosines: Guided Notes

What data MUST you have to use the law of cosines?

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This is the formula to solve for a side length using the law of cosines:

This is the formula to solve for an angle using the law of cosines:

How can you use the law of cosines to SOLVE a triangle?

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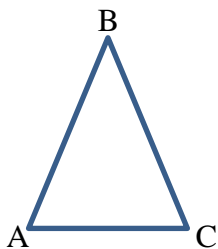
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You do

Solve the triangles.

Example 1:   Example 2:

<A = 27°   a = 3
b = 3   b = 6
c = 7   c = 8