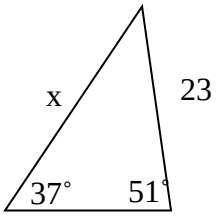
Name _____ Date_____

Law of Sine/Law of Cosine/Area

I. Use the Law of Sine to find x. Round all angles to nearest degree and side lengths to nearest tenth.

1.



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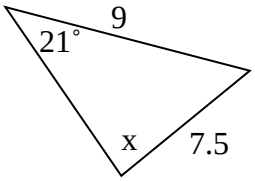

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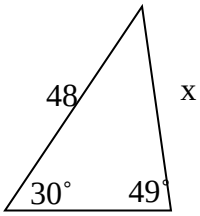

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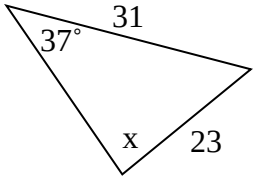

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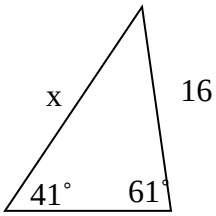

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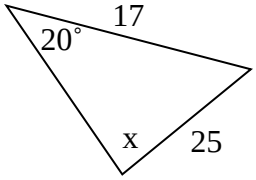

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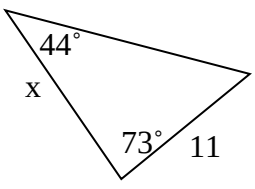

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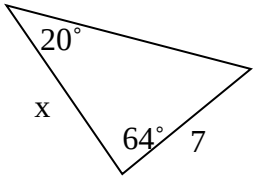

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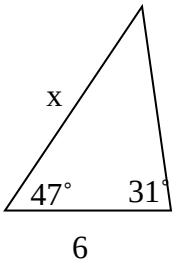

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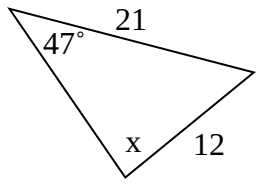

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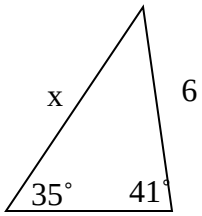

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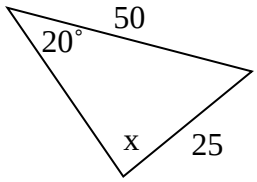
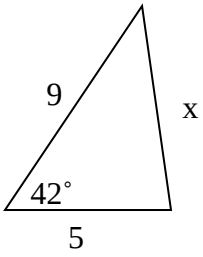


II. Use the Law of Cosine to find x. Round all angles to nearest degree and side lengths to nearest tenth.

13.



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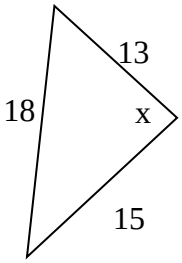

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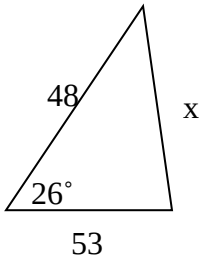

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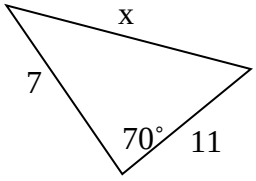

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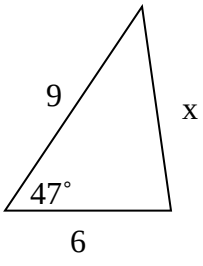

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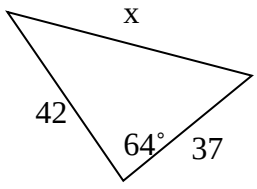

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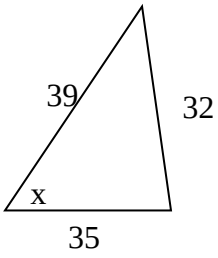

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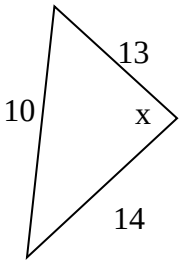

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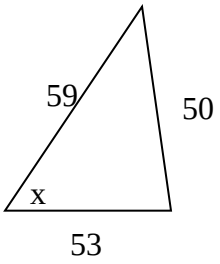
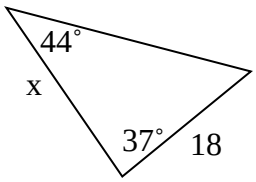


III. Pick the best method to solve for x, and then solve. Round all angles to nearest degree and side lengths to nearest tenth.

22.



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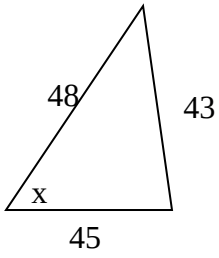

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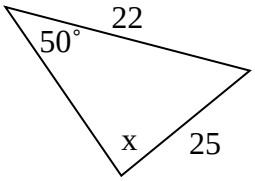

IV. Find the area of the given triangle using trig. Use the side lengths and the included angle. Round your answer to the nearest tenth. Use appropriate units.

25. B = 60^o, a = 19m, c = 14m

26. C = 29^o, a = 38ft, b = 31ft