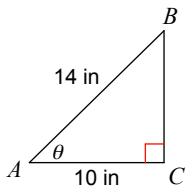
Algebra 4 Name_____

WS Right Triange Trig Practice

Date_____ Period____

Find the measure of each angle indicated. Round to the nearest tenth.

1)



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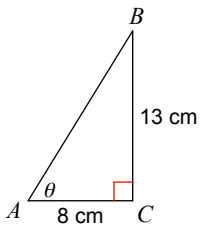

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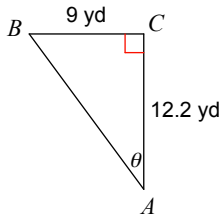

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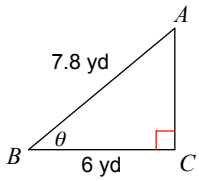
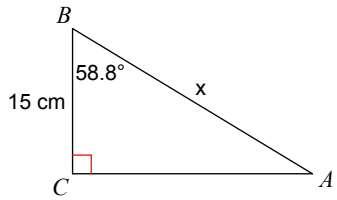


Find the measure of each side indicated. Round to the nearest tenth.

5)



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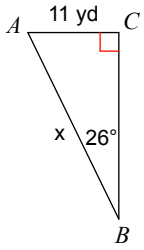

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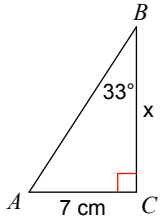

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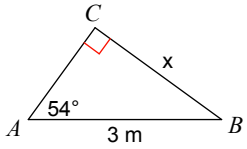
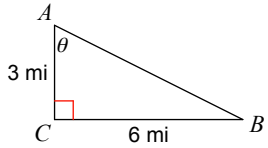


Find the measure of each angle indicated. Round to the nearest tenth.

9)



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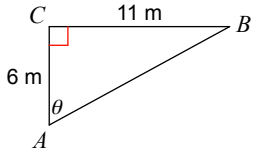

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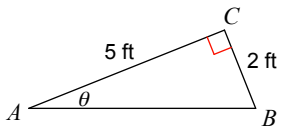

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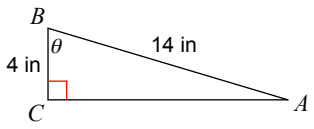


In each problem, angle C is a right angle. Find the angle indicated to the nearest tenth.

13) Find $m\angle A$ if $a = 14$ yd, $b = 13$ yd

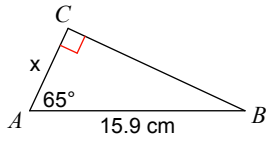
14) Find $m\angle A$ if $b = 2.5$ ft, $a = 4$ ft

15) Find $m\angle A$ if $b = 3$ mi, $a = 8$ mi

16) Find $m\angle A$ if $c = 10$ mi, $a = 5$ mi

Find the measure of each side indicated. Round to the nearest tenth.

17)



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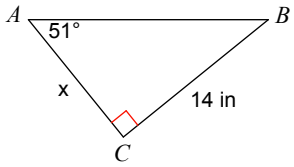

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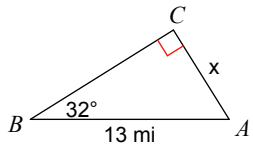

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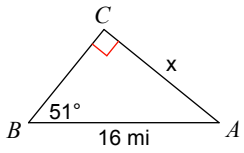


In each problem, angle C is a right angle. Find the side indicated to the nearest tenth.

21) Find b if $c = 13$ m, $m\angle A = 30°$

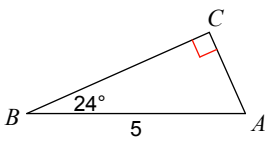
22) Find a if $m\angle B = 30°$, $b = 12.9$ m

23) Find a if $b = 2$ in, $m\angle A = 42°$

24) Find c if $b = 2$ cm, $m\angle A = 17°$

Solve each triangle. Round answers to the nearest tenth.

25)



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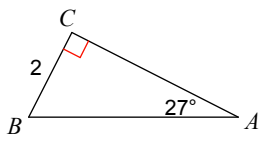

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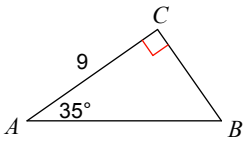

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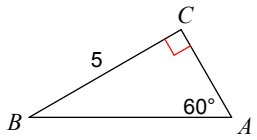


In each problem, angle C is a right angle. Solve each triangle rounding answers to the nearest tenth.

29) $a = 6,\ c = 12$

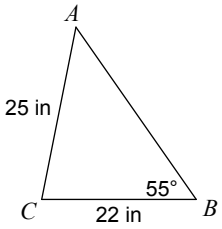
30) $a = 4.8,\ c = 7$

31) $b = 4,\ c = 10$

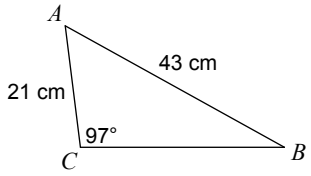
32) $a = 7,\ m\angle A = 45°$

Find each measurement indicated. Round your answers to the nearest tenth.

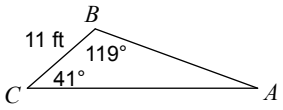
33) Find $m\angle A$



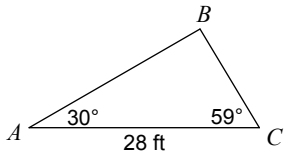
34) Find $m\angle B$



35) Find AB



36) Find BC



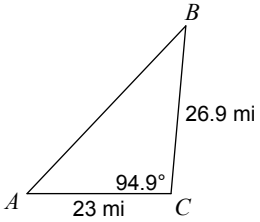
Solve each triangle. Round your answers to the nearest tenth.

37) $m\angle B = 100°$, $a = 23$ cm, $b = 36$ cm

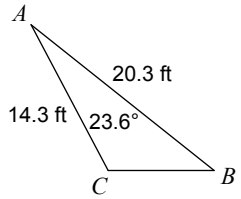
38) $m\angle B = 47°$, $m\angle C = 72°$, $a = 12$ cm

Find each measurement indicated. Round your answers to the nearest tenth.

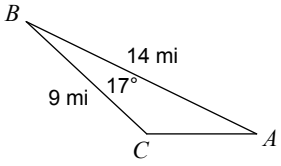
39) Find AB



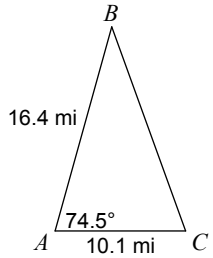
40) Find BC



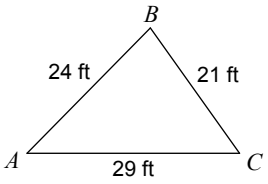
41) Find $m\angle C$



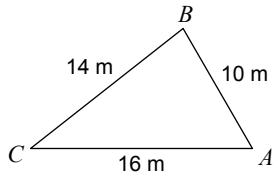
42) Find $m\angle B$



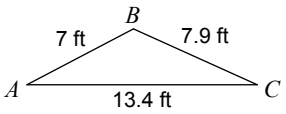
43) Find $m\angle A$



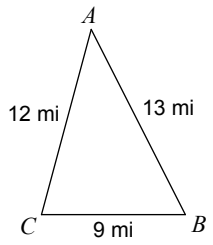
44) Find $m\angle C$



45) Find $m\angle B$

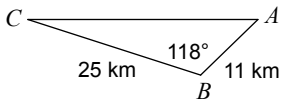


46) Find $m\angle A$



Solve each triangle. Round your answers to the nearest tenth.

47)



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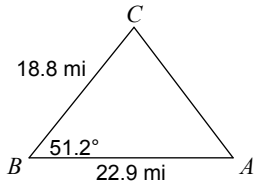

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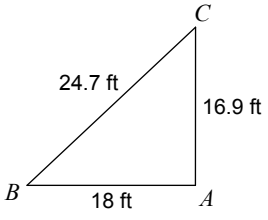
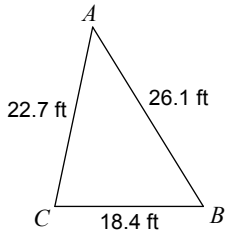
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