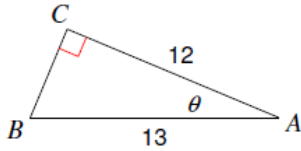


Algebra II  
Trigonometry 2

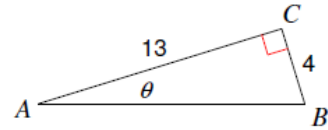
Name \_\_\_\_\_

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

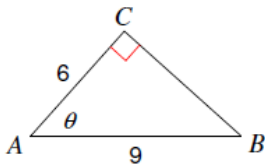
1)



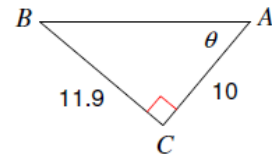
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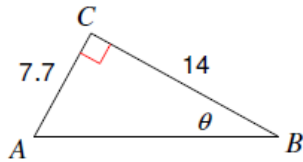
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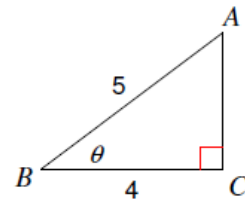
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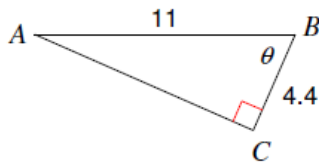
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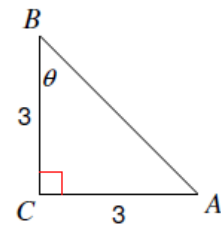
6)



7)

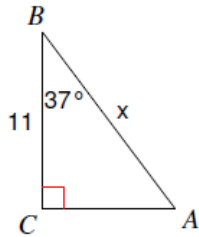


8)

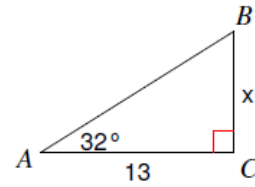


Find the measure of each side indicated. Round to the nearest tenth.

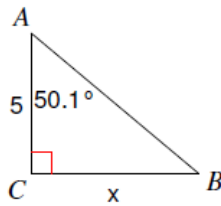
9)



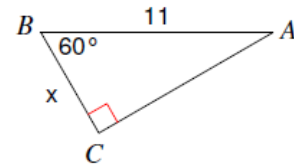
10)



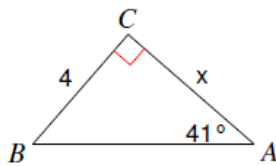
11)



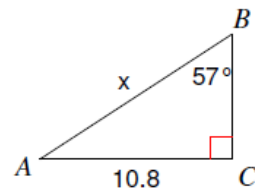
12)



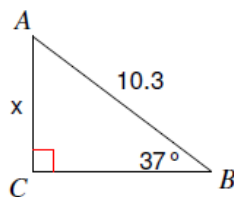
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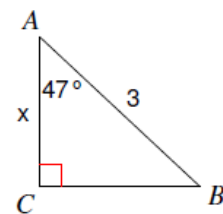
14)



15)

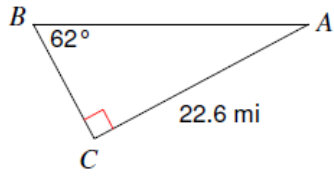


16)

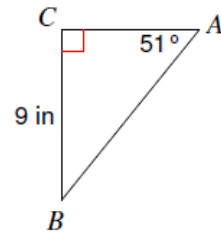


Solve each triangle. Round answers to the nearest tenth.

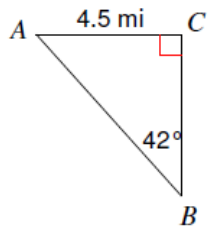
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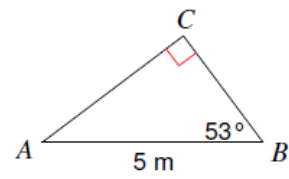
18)



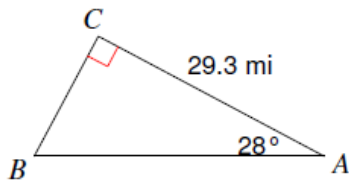
19)



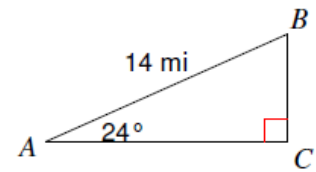
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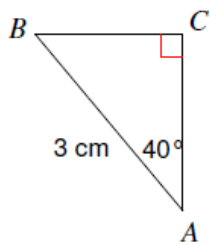
21)



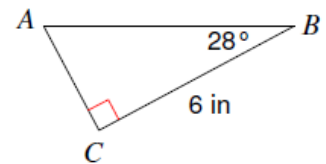
22)



23)



24)



Solve the following.

25. If  $\sin(\theta) = \frac{12}{13}$  and  $\theta$  is in QI, find  $\cos(\theta)$  and  $\tan(\theta)$ .

26. If  $\cos(\theta) = -\frac{8}{15}$  and  $\theta$  is in QII, find  $\sin(\theta)$  and  $\tan(\theta)$ .

27. If  $\tan(\theta) = \frac{24}{7}$  and  $\theta$  is in QII, find  $\cos(\theta)$  and  $\sin(\theta)$ .

28. If  $\sin(\theta) = -\frac{4}{5}$  and  $\theta$  is in QIV, find  $\cos(\theta)$  and  $\tan(\theta)$ .

29. If  $\cos(\theta) = \frac{12}{37}$  and  $\theta$  is in QIV, find  $\sin(\theta)$  and  $\tan(\theta)$ .