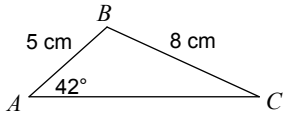


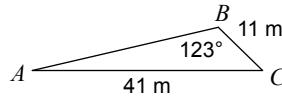
Homework 5-1: Law of Sines

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

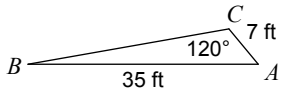
1) Find $m\angle C$



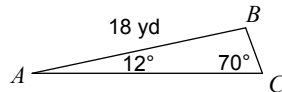
2) Find $m\angle A$



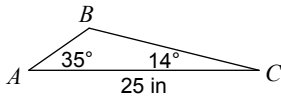
3) Find $m\angle B$



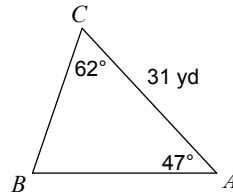
4) Find BC



5) Find BC

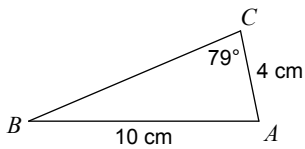


6) Find BC

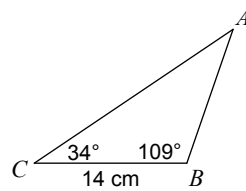


Solve each triangle. Round your answers to the nearest tenth.

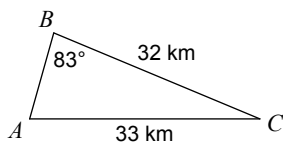
7)



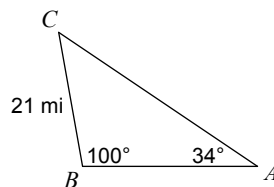
8)



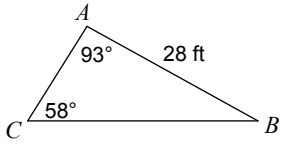
9)



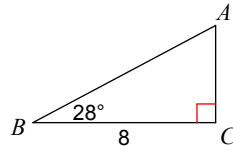
10)



11)



12)



Find the exact value of each trigonometric function.

13) $\cot -\frac{14\pi}{3}$

14) $\tan \frac{\pi}{3}$

15) $\sec -\frac{7\pi}{4}$

16) $\cos \frac{23\pi}{4}$

17) $\cot \frac{4\pi}{3}$

18) $\cos -870^\circ$

Find the exact value of each expression.

19) $\sin^{-1} -\frac{\sqrt{3}}{2}$

20) $\tan^{-1} 0$

21) $\tan^{-1} \frac{\sqrt{3}}{3}$

22) $\tan^{-1} (\sec 0)$

23) $\tan^{-1} \left(\cot \frac{5\pi}{6} \right)$

24) $\cos^{-1} \left(\csc \frac{\pi}{2} \right)$