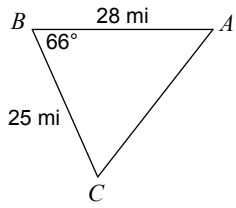


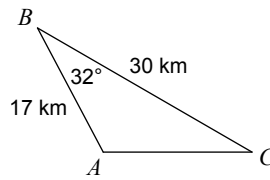
Homework 5-2: Law of Cosines

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

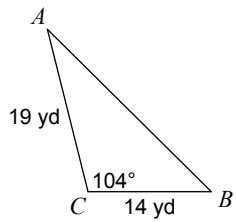
1) Find AC



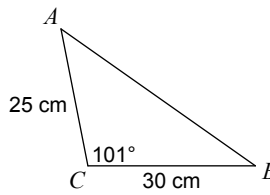
2) Find AC



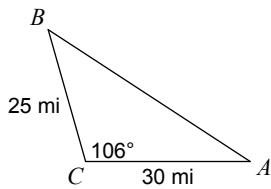
3) Find AB



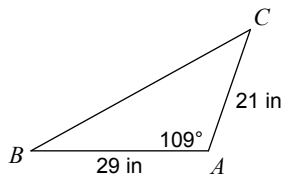
4) Find AB



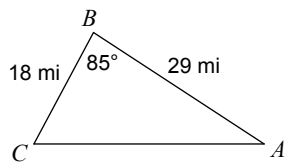
5) Find AB



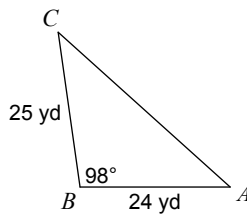
6) Find $m\angle B$



7) Find $m\angle C$

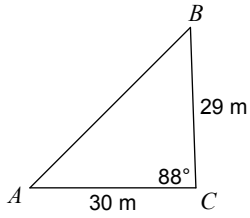


8) Find $m\angle C$

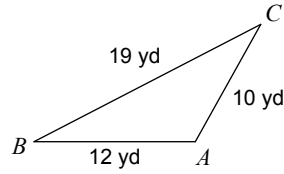


Solve each triangle. Round your answers to the nearest tenth.

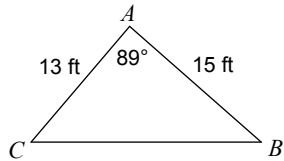
9)



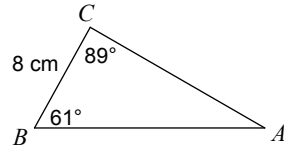
10)



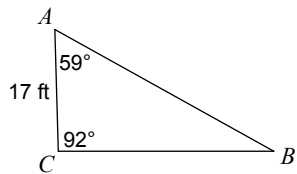
11)



12)



13)



Find the exact value of each trigonometric function.

14) $\sec -765^\circ$

15) $\cot 240^\circ$

16) $\cot 600^\circ$

17) $\cos 0^\circ$

Find the exact value of each expression.

18) $\sin^{-1}\left(\cot \frac{3\pi}{4}\right)$

19) $\sin^{-1}(\sec \pi)$

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

21) $\cos^{-1}(\sec 0)$