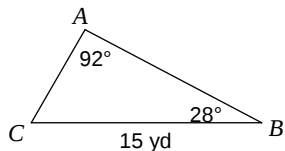


Sine Law and Cosine Law

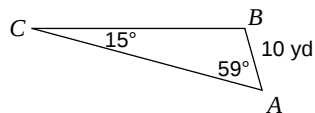
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Find each measurement indicated. Round your answers to the nearest tenth.

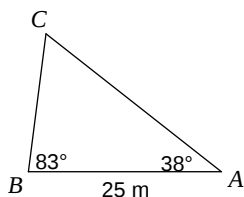
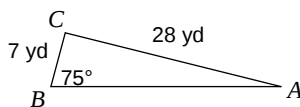
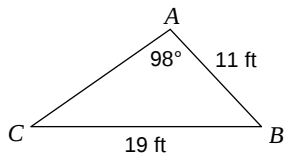
1) Find AC



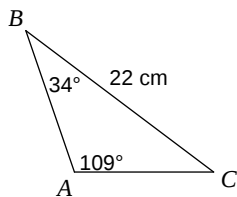
2) Find BC



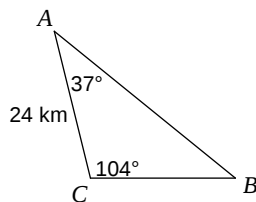
3) Find AC

4) Find $m\angle A$ 5) Find $m\angle B$ 6) Find $m\angle C$ **Solve each triangle. Round your answers to the nearest tenth.**

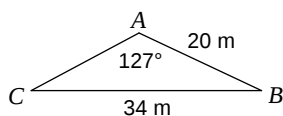
7)



8)

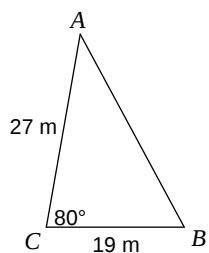


9)

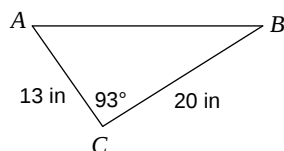


Find each measurement indicated. Round your answers to the nearest tenth.

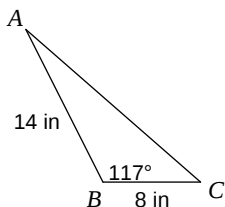
10) Find AB



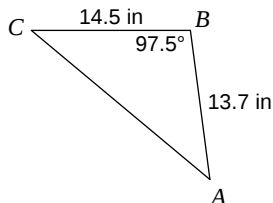
11) Find AB



12) Find AC



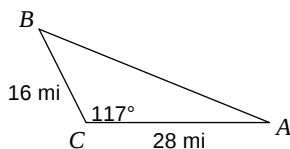
13) Find $m\angle C$



14) Find $m\angle C$

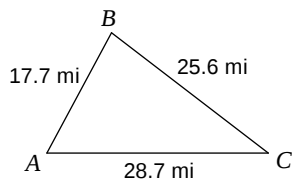


15) Find $m\angle A$

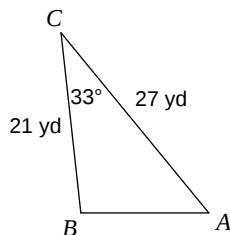


Solve each triangle. Round your answers to the nearest tenth.

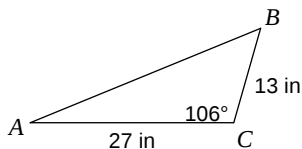
16)



17)



18)



Answers to Sine Law and Cosine Law

- | | | | |
|---|----------------|--|------------------|
| 1) 7 yd | 2) 33.1 yd | 3) 28.9 m | 4) 14° |
| 5) 17.9° | 6) 35° | 7) $m\angle C = 37^\circ$, $b = 13$ cm, $c = 14$ cm | |
| 8) $m\angle B = 39^\circ$, $c = 37$ km, $a = 23$ km | | 9) $m\angle B = 25^\circ$, $m\angle C = 28^\circ$, $b = 18$ m | |
| 10) 30.2 m | 11) 24.4 in | 12) 19 in | 13) 39.8° |
| 14) 137° | 15) 22° | 16) $m\angle A = 61.7^\circ$, $m\angle B = 80.8^\circ$, $m\angle C = 37.5^\circ$ | |
| 17) $m\angle A = 50.5^\circ$, $m\angle B = 96.5^\circ$, $c = 14.8$ yd | | 18) $m\angle A = 22.1^\circ$, $m\angle B = 51.9^\circ$, $c = 33$ in | |