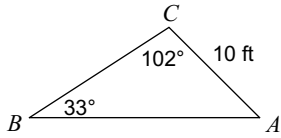


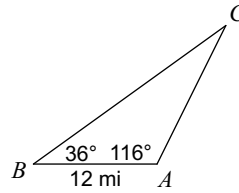
**LAW OF SINES**

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

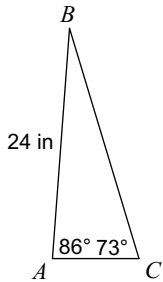
1)



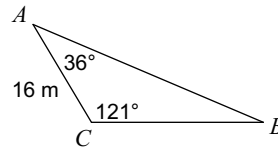
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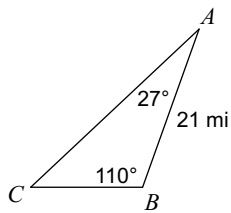
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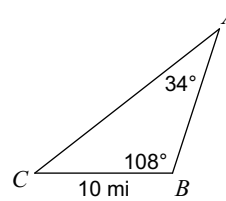
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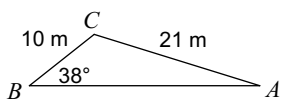
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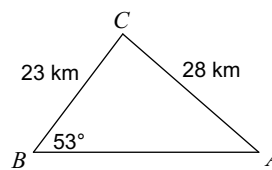
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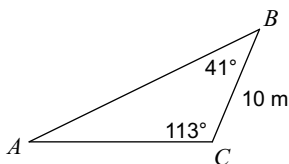
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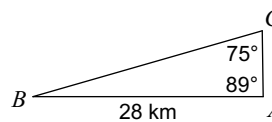
8)



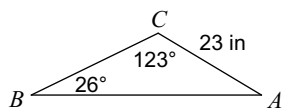
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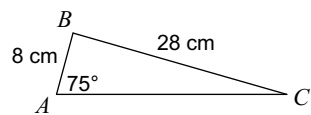
10)



11)



12)



## Answers to LAW OF SINES (ID: 1)

- 1)  $m\angle A = 45^\circ$ ,  $c = 18$  ft,  $a = 13$  ft
- 2)  $m\angle C = 28^\circ$ ,  $a = 23$  mi,  $b = 15$  mi
- 3)  $m\angle B = 21^\circ$ ,  $a = 25$  in,  $b = 9$  in
- 4)  $m\angle B = 23^\circ$ ,  $a = 24.1$  m,  $c = 35.1$  m
- 5)  $m\angle C = 43^\circ$ ,  $a = 14$  mi,  $b = 28.9$  mi
- 6)  $m\angle C = 38^\circ$ ,  $c = 11$  mi,  $b = 17$  mi
- 7)  $m\angle C = 125^\circ$ ,  $m\angle A = 17^\circ$ ,  $c = 27.9$  m
- 8)  $m\angle C = 86^\circ$ ,  $m\angle A = 41^\circ$ ,  $c = 35$  km
- 9)  $m\angle A = 26^\circ$ ,  $b = 15$  m,  $c = 21$  m
- 10)  $m\angle B = 16^\circ$ ,  $b = 8$  km,  $a = 29$  km
- 11)  $m\angle A = 31^\circ$ ,  $c = 44$  in,  $a = 27$  in
- 12)  $m\angle B = 89^\circ$ ,  $m\angle C = 16^\circ$ ,  $b = 29$  cm