

Law of Sin and Cosine WS #2

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

1) $a = 24$, $b = 14$, $m\angle C = 112^\circ$

Find $m\angle A$

2) $m\angle B = 26^\circ$, $m\angle A = 85^\circ$, $a = 16$

Find b

3) $m\angle A = 115^\circ$, $a = 29$, $c = 21$

Find $m\angle C$

4) $b = 11$, $m\angle C = 119^\circ$, $a = 30$

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

5) $m\angle A = 34^\circ$, $c = 32$ mi, $a = 24$ mi

6) $m\angle C = 45^\circ$, $m\angle A = 25^\circ$, $c = 15$ km

7) $m\angle C = 94.6^\circ$, $b = 28.2$ ft, $a = 11.5$ ft

8) $m\angle C = 88^\circ$, $m\angle A = 40^\circ$, $b = 11$

9) $m\angle A = 29^\circ$, $a = 30$, $c = 16$

10) $c = 11$, $b = 28$, $a = 24$