

Law of Sin, Cos, Area Review #2

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

1) $c = 12$, $b = 18$, $a = 28$

Find $m\angle A$

2) $m\angle C = 72^\circ$, $m\angle B = 84^\circ$, $a = 9$

Find c

3) $m\angle C = 63^\circ$, $c = 34$, $b = 32$

Find $m\angle B$

4) $m\angle A = 137^\circ$, $b = 18$, $c = 12$

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

5) $b = 18$, $m\angle A = 131^\circ$, $c = 30$

6) $m\angle C = 123^\circ$, $m\angle A = 40^\circ$, $b = 15$

7) $m\angle C = 128^\circ$, $b = 31$, $c = 18$

8) $m\angle A = 15^\circ$, $c = 31$, $a = 24$

9) $c = 9$, $b = 13$, $a = 12$

Find the area of each triangle to the nearest tenth.

10) $c = 4$, $m\angle A = 84^\circ$, $a = 10$

11) $m\angle A = 53^\circ$, $a = 5.3$, $m\angle B = 31^\circ$

12) $c = 12$, $a = 16$, $b = 11$

13) $a = 5$, $m\angle A = 77^\circ$, $m\angle B = 63^\circ$

14) $b = 12.7$, $m\angle A = 37^\circ$, $m\angle C = 85^\circ$