

Law of Sin, Cos, Area Review #1

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

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

Find $m\angle C$

2) $m\angle C = 113^\circ$, $m\angle A = 26^\circ$, $b = 15$

Find a

3) $m\angle B = 118^\circ$, $a = 13$, $b = 16$

Find $m\angle A$

4) $a = 29.3$, $b = 22.3$, $m\angle C = 70.5^\circ$

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

5) $c = 26$, $a = 21$, $m\angle B = 99^\circ$

6) $m\angle C = 101^\circ$, $b = 9$, $c = 32$

7) $m\angle C = 58^\circ$, $b = 33$, $c = 29$

8) $m\angle A = 136^\circ$, $a = 32$, $c = 4$

9) $m\angle C = 34^\circ$, $b = 12$, $c = 9$

10) $b = 25$ cm, $c = 9$ cm, $a = 18$ cm

Find the area of each triangle to the nearest tenth.

11) $m\angle A = 31^\circ$, $b = 15$, $m\angle C = 44^\circ$

12) $a = 6$, $m\angle C = 22^\circ$, $b = 13$

13) $m\angle A = 135^\circ$, $m\angle B = 17^\circ$, $c = 5$

14) $m\angle C = 57^\circ$, $m\angle A = 19^\circ$, $b = 14$

15) $a = 8$, $b = 8$, $c = 13$

16) $a = 13$, $c = 12$, $m\angle B = 79^\circ$