

Law of Sin and Cosine WS #1

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

1) $b = 18$, $c = 17$, $a = 30$

Find $m\angle A$

2) $m\angle A = 31^\circ$, $m\angle B = 66^\circ$, $c = 25$

Find b

3) $m\angle C = 108^\circ$, $c = 34$, $b = 22$

Find $m\angle B$

4) $c = 29$, $m\angle B = 109^\circ$, $a = 21$

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

5) $m\angle A = 43^\circ$, $c = 17$ cm, $a = 14$ cm

6) $m\angle C = 144^\circ$, $m\angle A = 15^\circ$, $c = 41$ m

7) $c = 25$ m, $b = 27$ m, $m\angle A = 65^\circ$

8) $m\angle C = 61^\circ$, $b = 16$, $c = 28$

9) $m\angle B = 97^\circ$, $a = 32$, $b = 25$

10) $b = 12$, $c = 28$, $a = 24$