

Law of Cosines WS #1

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

1) $m\angle A = 104^\circ$, $b = 16$, $c = 23$

Find a

2) $m\angle C = 26^\circ$, $b = 12$, $a = 28$

Find c

3) $c = 14$, $b = 20$, $m\angle A = 93^\circ$

Find $m\angle B$

4) $m\angle C = 124^\circ$, $a = 13$, $b = 26$

Find $m\angle A$ **Solve each triangle. Round your answers to the nearest tenth.**

5) $b = 20$, $m\angle C = 34^\circ$, $a = 25$

6) $m\angle A = 101^\circ$, $b = 27$, $c = 30$

7) $a = 17$, $b = 10$, $c = 11$

8) $a = 29$, $c = 21$, $b = 13$

9) $m\angle C = 23^\circ$, $b = 16$, $a = 8$