

Unit 9 Assignment 2: Law of Sines (Ambiguous Case)

Date _____

Period _____

Solve each triangle. Round your answers to the nearest tenth.

1) $m\angle C = 38^\circ$, $c = 19$ yd, $b = 14$ yd

2) $m\angle C = 93^\circ$, $b = 33$ ft, $c = 17$ ft

3) $m\angle A = 24^\circ$, $c = 28$ cm, $a = 17$ cm

4) $m\angle C = 139^\circ$, $c = 35$ mi, $b = 12$ mi

5) $m\angle C = 19^\circ$, $b = 18$ ft, $c = 17$ ft

6) $m\angle B = 30^\circ$, $a = 26$ mi, $b = 24$ mi

7) $m\angle A = 44^\circ$, $c = 23$ in, $a = 10$ in

8) $m\angle B = 46^\circ$, $a = 13$ mi, $b = 23$ mi

9) $m\angle A = 114^\circ$, $c = 18$ cm, $a = 31$ cm

10) $m\angle A = 44^\circ$, $c = 35$ ft, $a = 27$ ft