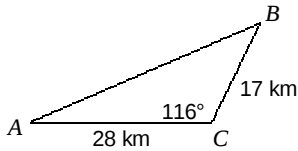


Q3HW3 - All work on looseleaf.

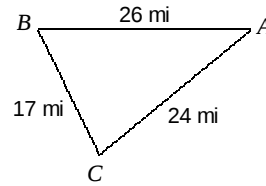
Date _____ Period _____

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

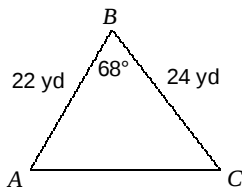
1)



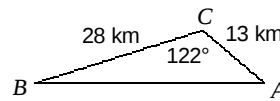
2)



3)



4)



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

5) $a = 12$ m, $c = 27$ m, $m\angle B = 126^\circ$
Find b

6) $m\angle A = 89^\circ$, $c = 14$ ft, $b = 8$ ft
Find a

7) $m\angle A = 75^\circ$, $c = 9$ cm, $b = 12$ cm
Find a

8) $b = 20$ in, $m\angle A = 76^\circ$, $c = 25$ in
Find $m\angle B$

9) $m\angle B = 130^\circ$, $c = 30$ cm, $a = 24$ cm
Find $m\angle C$

10) $m\angle B = 145^\circ$, $a = 25$ km, $c = 19$ km
Find $m\angle C$

Use the Law of Cosines to find each measurement indicated. Round your answers to the nearest tenth.

11) $m\angle C = 32^\circ$, $b = 28$, $c = 15$
Find a

12) $m\angle A = 53^\circ$, $c = 13$, $a = 5$
Find b

Find the area of each triangle to the nearest tenth.

13) In $\triangle TRS$, $m\angle T = 15^\circ$, $m\angle R = 123^\circ$, $s = 9$ m

14) In $\triangle FDE$, $e = 6.2$ ft, $m\angle F = 116^\circ$, $m\angle D = 38^\circ$