

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

1 $m\angle A = 70^\circ, c = 26, a = 25$

2 $m\angle B = 45^\circ, a = 28, b = 27$

3 $m\angle C = 145^\circ, b = 7, c = 33$

4 $m\angle B = 73^\circ, a = 7, b = 5$

5 $m\angle B = 117^\circ, a = 16, b = 38$

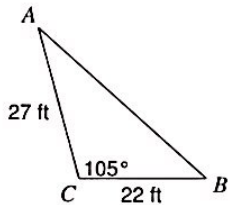
6 $m\angle B = 84^\circ, a = 18, b = 9$

7 $m\angle B = 105^\circ, b = 23, a = 14$

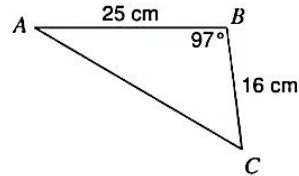
8 $m\angle C = 13^\circ, m\angle A = 22^\circ, c = 9$

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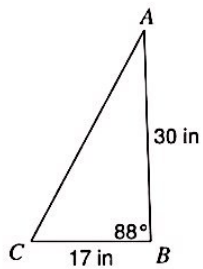
13)



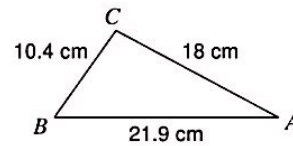
14)



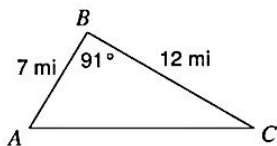
15)



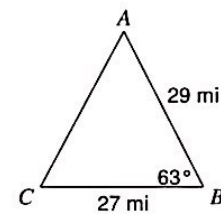
16)



17)



18)



19) In $\triangle ABC$, $a = 14$ cm, $b = 9$ cm, $c = 6$ cm

20) In $\triangle XYZ$, $m\angle X = 138^\circ$, $y = 15$ in, $z = 25$ in

21) In $\triangle QRP$, $q = 12$ in, $p = 28$ in, $r = 18$ in

22) In $\triangle QRP$, $p = 28$ km, $q = 17$ km, $r = 15$ km

23) In $\triangle DEF$, $e = 16$ yd, $d = 12$ yd, $f = 17$ yd

24) In $\triangle RPQ$, $p = 18$ mi, $m\angle R = 17^\circ$, $q = 28$ mi