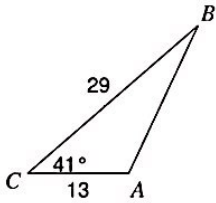


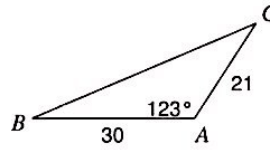
The Law of Cosines

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

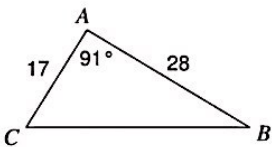
1) Find c .



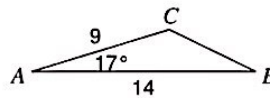
2) Find a .



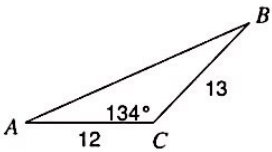
3) Find a .



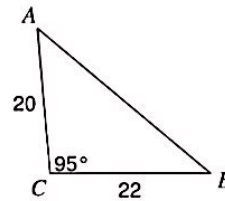
4) Find a .



5) Find c .



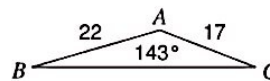
6) Find c .



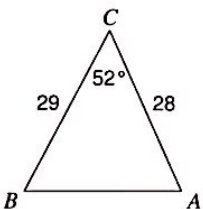
7) Find A .



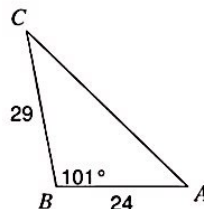
8) Find B .



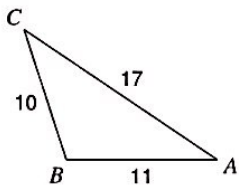
9) Find A .



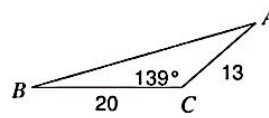
10) Find C .



11) Find $\angle A$

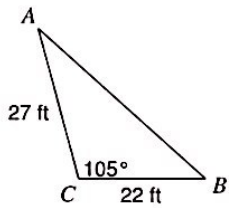


12) Find $\angle A$

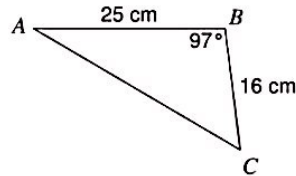


Solve each triangle. Round your answers to the nearest tenth.

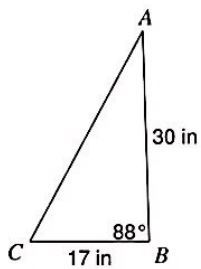
13)



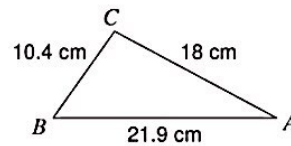
14)



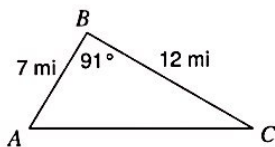
15)



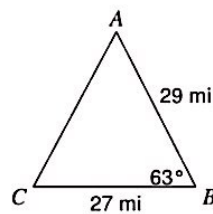
16)



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