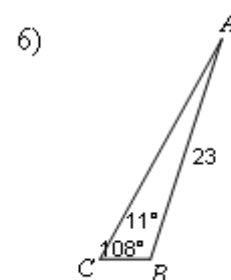
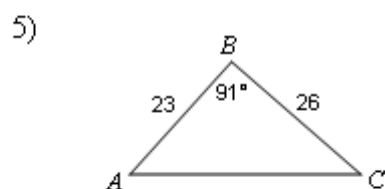
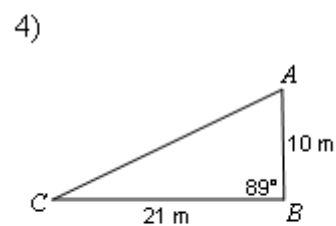
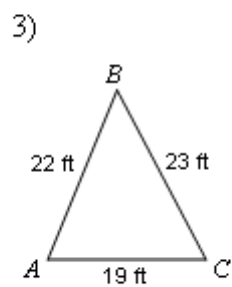
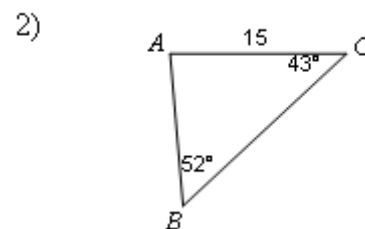
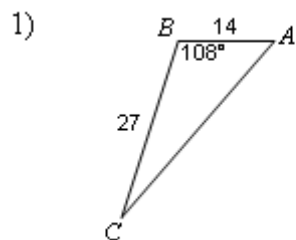


Law of Cosines and Law of Sines Solving Triangles

Find all the missing sides and angles in each triangle.



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

7) In $\triangle YZX$, $z = 25$ mi, $m\angle Y = 121^\circ$, $x = 28$ mi

8) In $\triangle ZXY$, $m\angle Z = 95^\circ$, $x = 15$ in, $y = 27$ in

9) $m\angle A = 33^\circ$, $c = 30$, $a = 24$

10) $m\angle C = 116^\circ$, $b = 12$, $c = 23$

11) In $\triangle RST$, $m\angle T = 57.9^\circ$, $t = 28$ ft, $s = 13$ ft

12) In $\triangle ABC$, $m\angle A = 48^\circ$, $c = 20$ cm, $a = 18$ cm