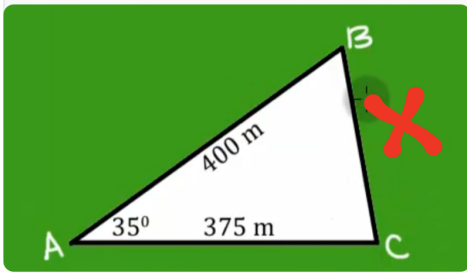


$$a^2 = b^2 + c^2 - 2bc \cos(A)$$

$$b^2 = a^2 + c^2 - 2ac \cos(B)$$

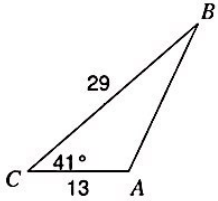
$$c^2 = a^2 + b^2 - 2ab \cos(C)$$



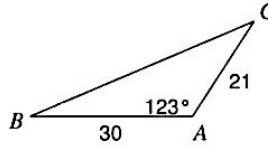
The Law of Cosines

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

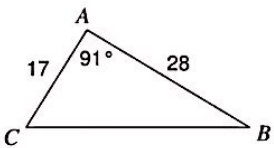
1) Find c .



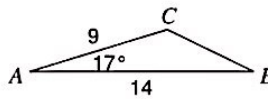
2) Find a .



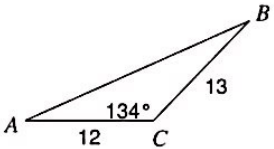
3) Find a .



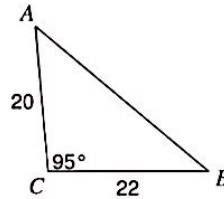
4) Find a .



5) Find c .

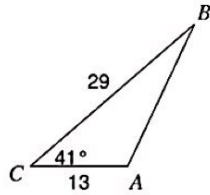


6) Find c .



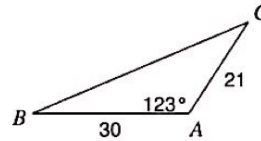
Find each measurement indicated. Round your answers to the nearest tenth.

1) Find c .



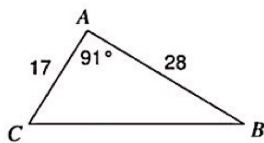
NORMAL FLOAT AUTO REAL DEGREE MP
 $13^2+29^2-2*13*29*\cos(41^\circ)$
 440.9489765
 $\sqrt{\text{Ans}}$
 20.99878512
 $\sqrt{\text{Ans}}$
 4.582443139

2) Find a .



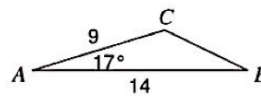
$30^2+21^2-2*30*21*\cos(123^\circ)$
 2027.245184
 $\sqrt{\text{Ans}}$
 45.02493958

3) Find a .



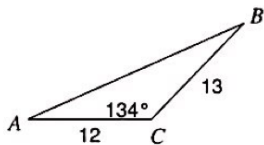
$17^2+28^2-2*14*28*\cos(91^\circ)$
 1086.682687
 $\sqrt{\text{Ans}}$
 32.96487049

4) Find a .



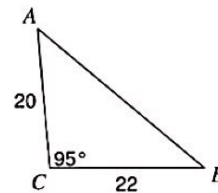
$9^2+14^2-2*9*14*\cos(17^\circ)$
 36.0112015
 $\sqrt{\text{Ans}}$
 6.000933386

5) Find c .



$13^2+12^2-2*13*12*\cos(134^\circ)$
 529.7334116
 $\sqrt{\text{Ans}}$
 23.01593821

6) Find c .



NORMAL FLOAT AUTO REAL DEGREE MP
 $20^2+22^2-2*20*22*\cos(95^\circ)$
 960.6970536
 $\sqrt{\text{Ans}}$
 30.99511338