1. Given a triangle with $a = 20$, $C = 37^\circ$, and $B = 24^\circ$, what is the length of $c$? Round the answer to two decimal places.


2. Given a triangle with $a = 6$, $C = 35^\circ$, and $B = 38^\circ$, what is the length of $c$? Round the answer to two decimal places.


3. Given a triangle with $a = 8$, $C = 33^\circ$, and $B = 44^\circ$, what is the length of $c$? Round the answer to two decimal places.


4. Given a triangle with $a = 7$, $C = 17^\circ$, and $B = 32^\circ$, what is the length of $c$? Round the answer to two decimal places.


5. Solve triangle $ABC$ given that $A = 50^\circ$, $B = 44^\circ$, and $b = 68$.

6. Solve triangle $ABC$ given that $A = 57^\circ$, $B = 43^\circ$, and $b = 69$. 
7. Solve triangle $\triangle ABC$ given that $A = 43^\circ$, $B = 46^\circ$, and $b = 64$.

8. Solve triangle $\triangle ABC$ given that $A = 45^\circ$, $B = 46^\circ$, and $b = 74$.

9. Find the missing measure $a$ in this drawing. Round your answer to the nearest hundredth.

10. Compare the quantity in Column A with the quantity in Column B.

   $\begin{array}{c|c|c}
   \text{Column A} & \text{Column B} \\
   \hline
   \frac{s}{\sin 62^\circ} & \frac{t}{\sin 61^\circ} \\
   \end{array}$

   [A] The quantity in Column A is greater.  
   [B] The quantity in Column b is greater.  
   [C] The two quantities are equal.  
   [D] The relationship cannot be determined on the basis of the information supplied.
[1] \( C \)

[2] \( A \)

[3] \( B \)

[4] \( C \)

[5] \( C = 86^{\circ}, \ a = 74.99, \ c = 97.65 \)

[6] \( C = 80^{\circ}, \ a = 84.85, \ c = 99.64 \)

[7] \( C = 91^{\circ}, \ a = 60.68, \ c = 88.96 \)

[8] \( C = 89^{\circ}, \ a = 72.74, \ c = 102.86 \)

[9] \( 19.13 \text{ in.} \)

[10] \( C \)