

Using Sine and Cosine - Matching Worksheet

Write the letter of the answer that matches the problem.

_____ 1. Use the Law of sine and the Law of cosine to find the missing sides and angles of each triangle.
BC = 17, A = 50° , and B = 33°

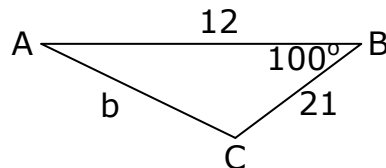
a. side b = 25.933

_____ 2. Use the Law of sine and the Law of cosine to find the missing sides and angles of each triangle.
BC = 18, A = 60° , and B = 25°

b. side a = 43.6291

_____ 3. For $\triangle ABC$ find the length of c given a = 21, $\angle b = 120^\circ$, c = 12

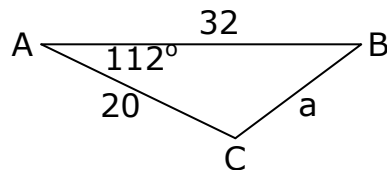
c.



$m\angle A = 50.06$

_____ 4. For $\triangle ABC$ find the length of c given $\angle a = 112^\circ$, b = 20, c = 32

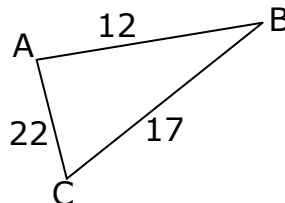
d.



$\angle c = 97^\circ$
Side B = 12.0866
Side C = 22.0265

_____ 5. Find $m\angle A$.

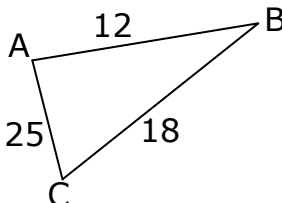
e.



$m\angle A = 42.13$

_____ 6. . Find $m\angle A$.

f.



$\angle c = 95^\circ$
Side B = 8.784
Side C = 20.7055

