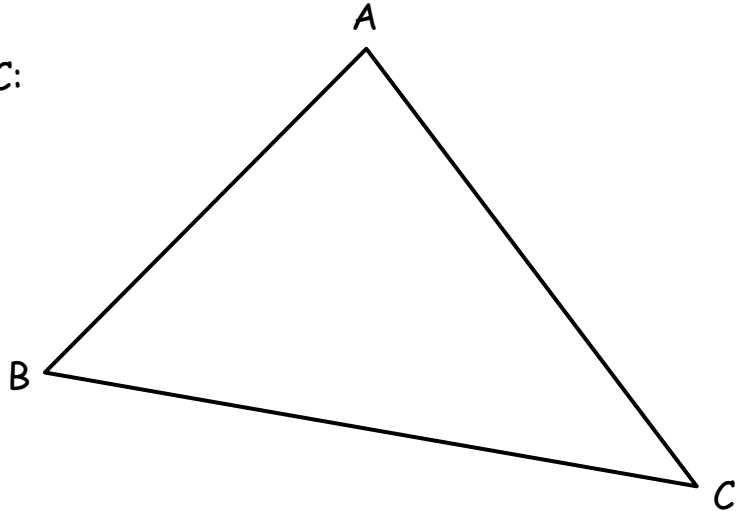


Law of Sines Worksheet

Here is an oblique triangle, $\triangle ABC$:



1. Begin by labeling the sides as follows:
 a is the side opposite $\angle A$, b is the side opposite $\angle B$, c is the side opposite $\angle C$
2. Draw the altitude from $\angle A$. Label the altitude n .
3. Write two equations, one for **sin B** and one for **sin C**.
4. Solve both equations for n .
5. Write an equation relating the expressions containing **sin B** and **sin C**.
(Use substitution to replace n .)
6. Write an equivalent equation, grouping b with **sin B** and c with **sin C**.

** Repeat steps 2 – 6... This time, draw the altitude from $\angle B$. You will now be dealing with **sin A** and **sin C**.

Use the equations you've generated to state the Law of Sines: