

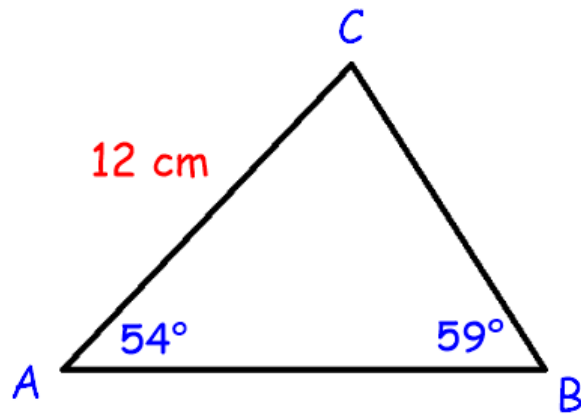
Unit 7 – Trigonometry

The study of the relationships of sides and angles in triangles.

Day 4: The Sine Law for Non-Right Triangles

Learning Goal

sohcahtoa?



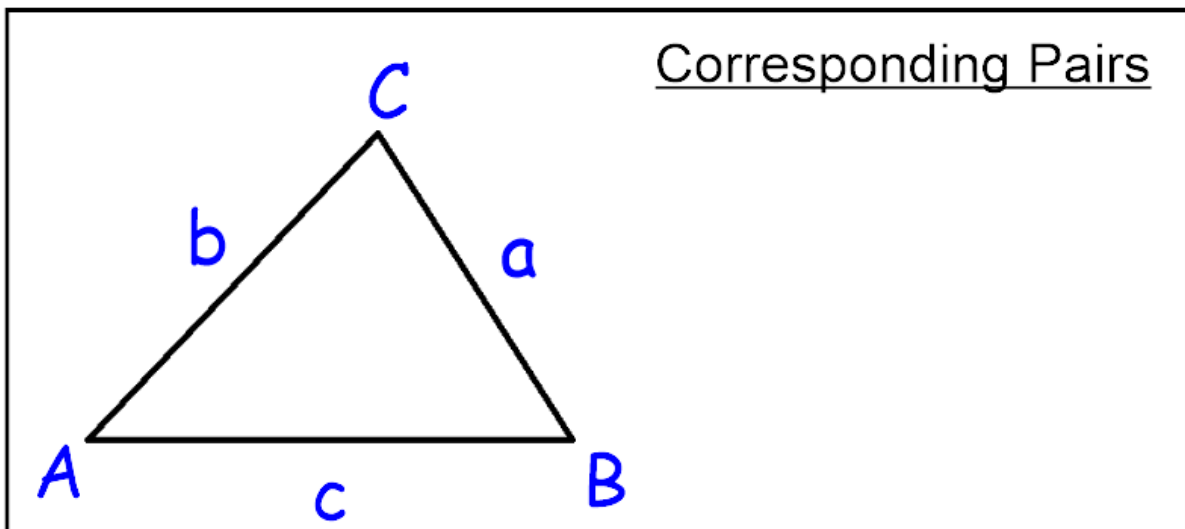
Find the measure of side a.

The Sine Law

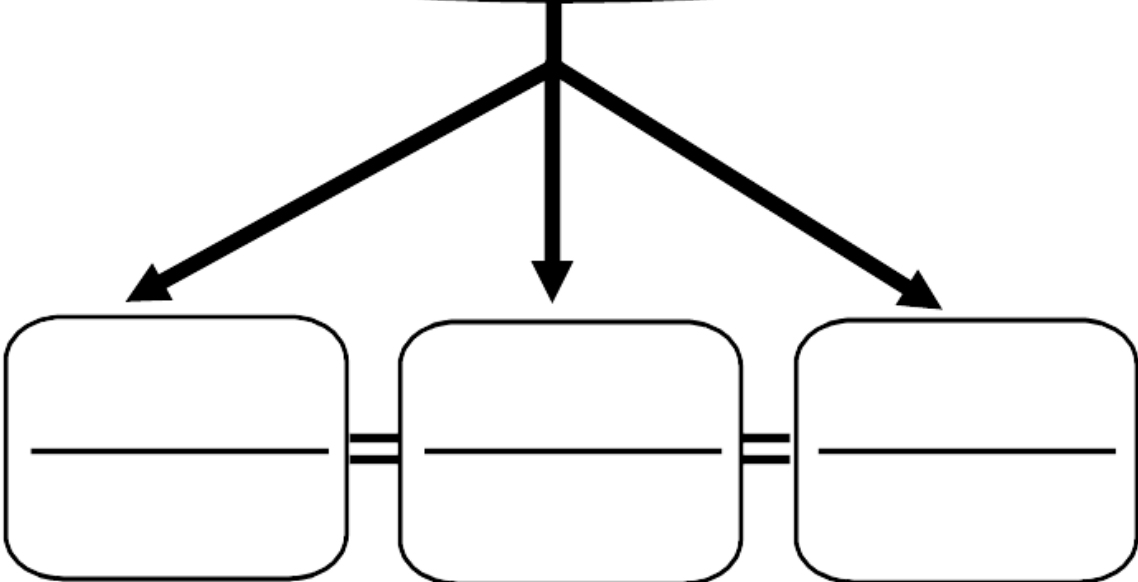
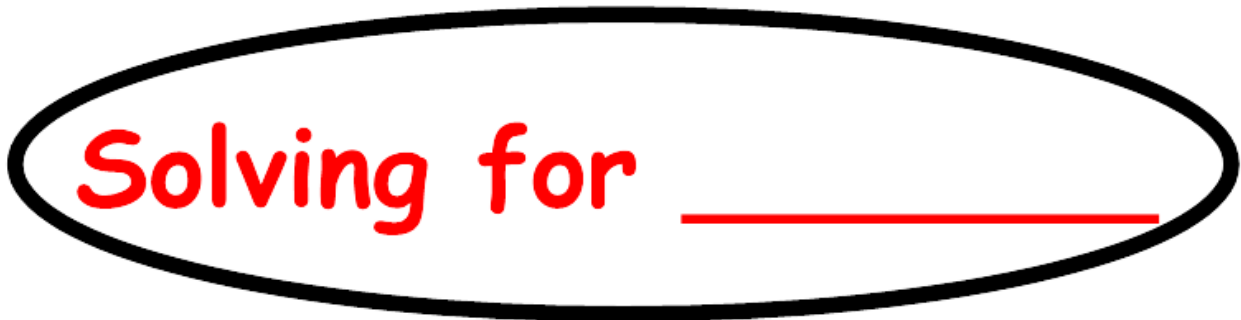
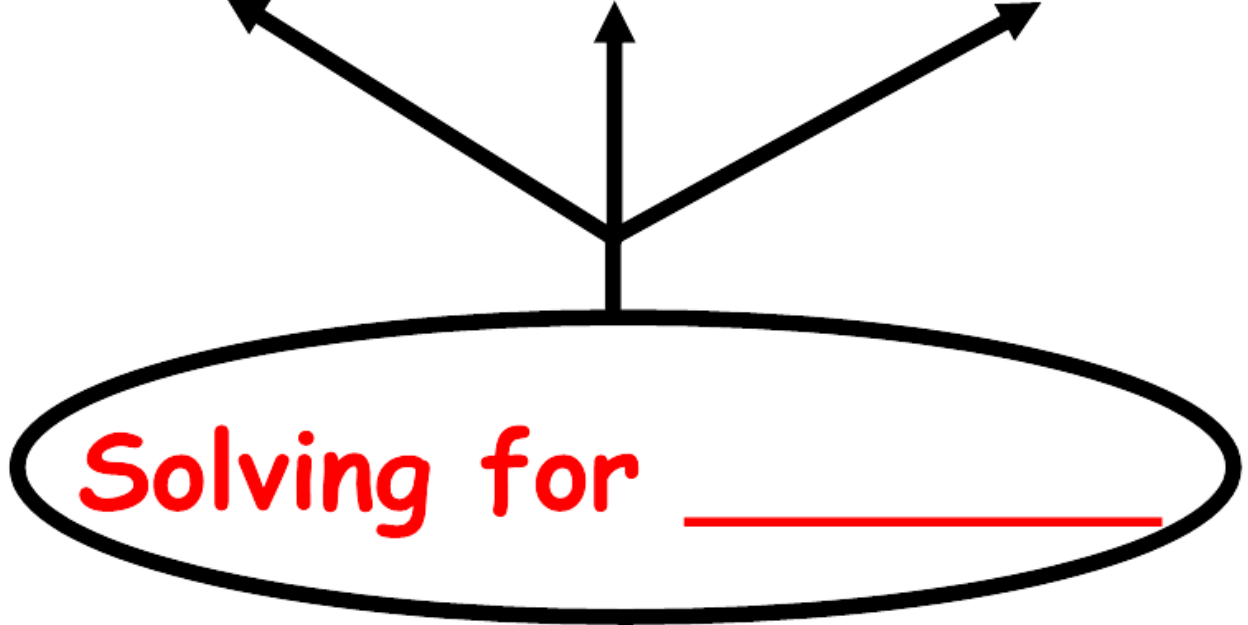
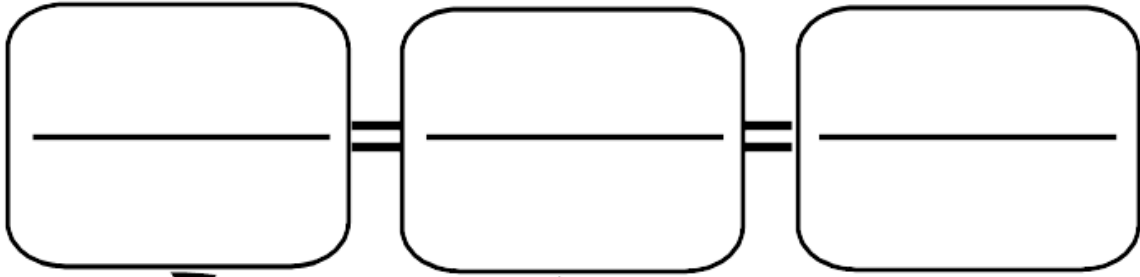
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The Sine Law is used to solve for sides and angles of _____ triangles.

NOTE: We can only use The Sine Law if we have a _____ side and angle.



The Sine Law



How to use The Sine Law

1. Make sure you are dealing with a _____ triangle.

2. Determine if you are solving for a _____ or an _____.

3. Write out The Sine Law for _____
or The Sine Law for _____!

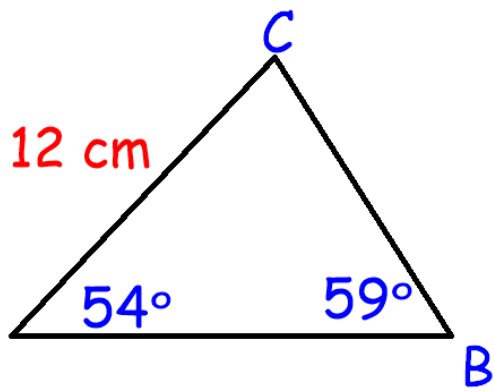
4. Plug in everything you know.

5. Get rid of the _____ you don't need.

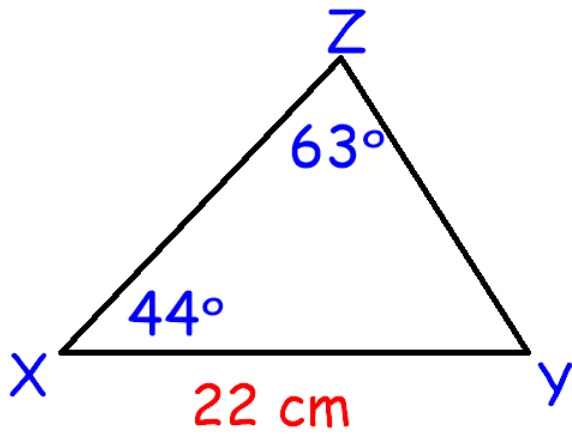
6. Use _____ _____

and your calculator to solve for your side
or angle.

Using the Sine Law to Solve for Sides

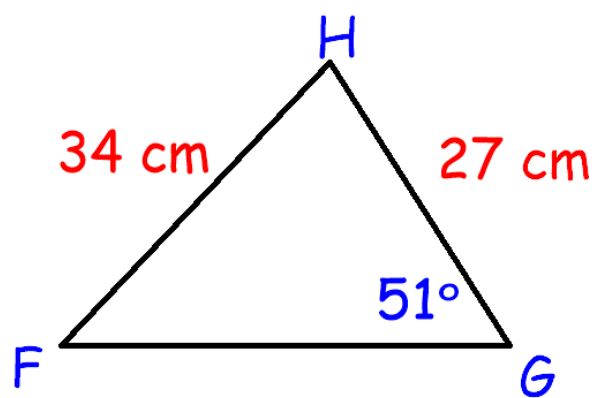


Find the measure of side a.

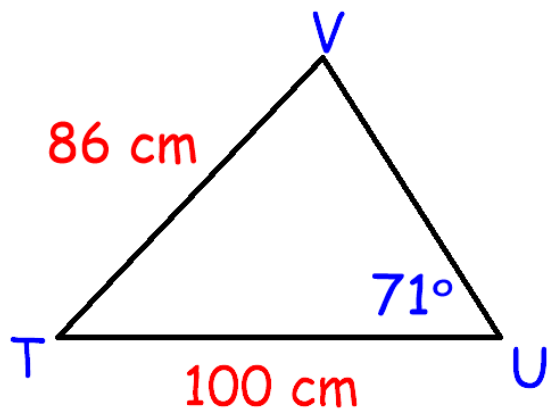


Find the measure of side x.

Using the Sine Law to Solve for Angles



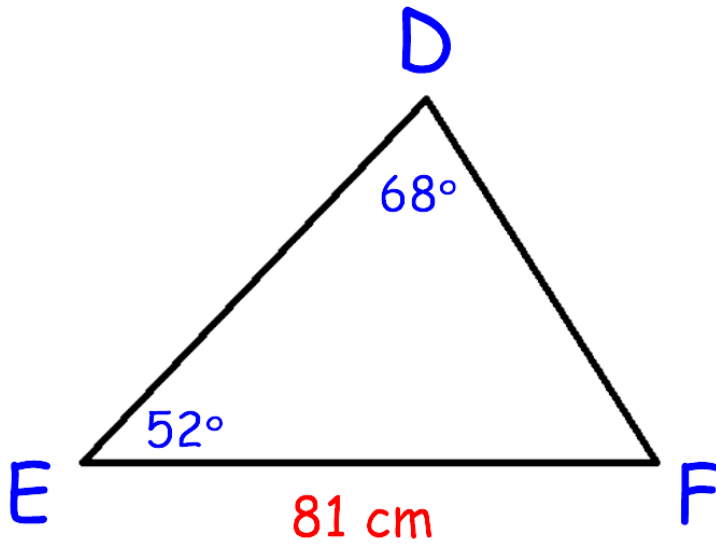
Find the measure of angle F.



Find the measure of angle V.

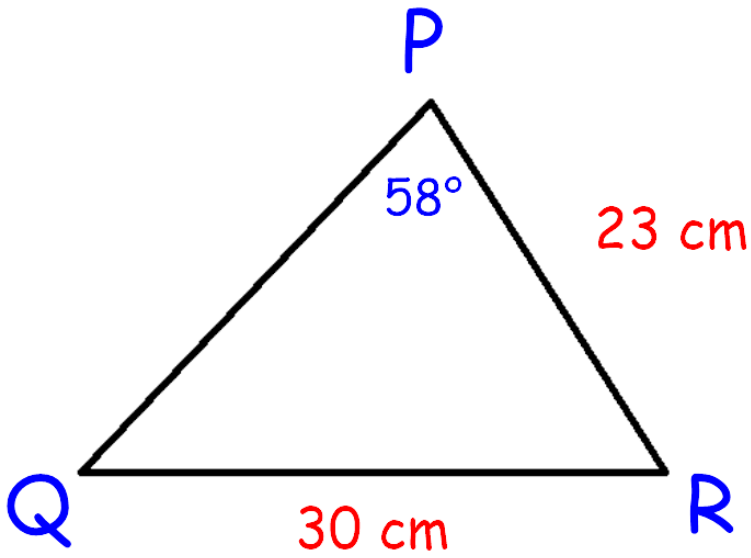
Two-Step Sine Law Problems

Mr. Two Steppa



Find the measure of side f.

Mr. Two Steppa



Find the measure of angle R.