

The Sine Law

SOHCAHTOA can only be used with a _____ (this is also true for _____)

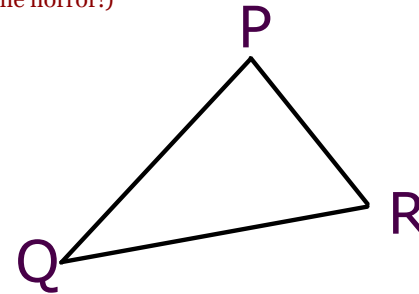
But some triangles do not have a 90° angle, and so two other trigonometric rules were created. (They actually sub-divided the triangle into right-angled triangles to prove them!)

Today we look at the SINE LAW, which can be used for solving for sides or angles of non-right triangles. The only requirement for using this law is we need to have

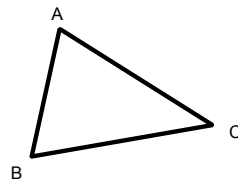
- _____
- _____



We have to talk about naming a non-right triangle's sides because now we DO NOT HAVE A HYPOTENUSE!! (oh the horror!)

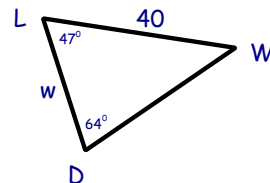


Now, the SINE LAW!!!



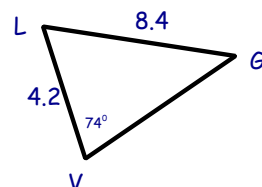
Example 1:

Determine the value of w

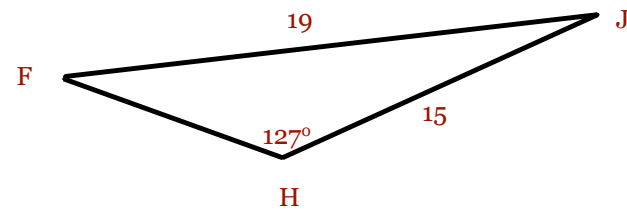


Example 2:

Determine the value of angle G



Example 3: Solve the triangle



Example 4: Calculate angle B

