Using Trig to Solve right triangle problems Thursday, November 24, 2016 3:53 PM



In every Trig Problem you will work with three quantities Every Trig Ratio has three quantities!!!!

In order for you to solve any trig problem you MUST know two of the three quantities

 $\tan ? = \frac{side}{side}$ $\cos(rgh) = \frac{side}{?}$



Solve the following triangle (this means to solve for all sides and angles)









| Answors | |
|--|-----------|
| LA= 62.1° | ∠R=35° |
| <b= 27.9°<="" td=""><td>QR= 15.7</td></b=> | QR= 15.7 |
| AB = 19.2 | PR = 19.2 |

How about word problems like this

Solve for \checkmark , where angle C = 90 degrees, AB = 22 cm, BC = 10 cm \lor V+ (x Step 1 - Determine the vertex (Vhist is a vertex?) Step 2 - Tome the triangle (the longest side will most likely be the hypotenuse) Step 3 - Label the dide. Step 4 - solve for the vortex





The triangle PQR has an angle P = 90 degrees, QR length 72.7cm and PQ length of 33cm. Determine $\frac{\langle PRQ}{\langle NSWeer}$ $\langle R = 2.7^{\circ}$ 3_{10}° 72.7cm $\langle PLUmine$ Velux P

3 Diana triangle 3 Solve for Vortex

