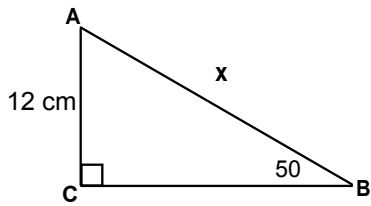


Find sides using trig ratios (day 2)

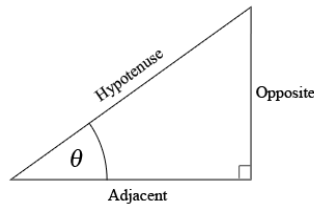
DO IT NOW!

Find 'x' :



Each angle has its own unique sine, cosine, and tangent ratio that never changes

S $\frac{O}{H}$ **C** $\frac{A}{H}$ **T** $\frac{O}{A}$



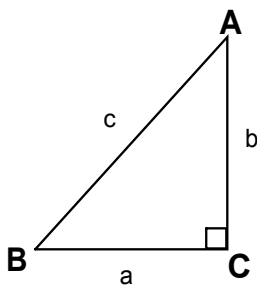
$$\sin \theta = \frac{\text{opposite}}{\text{hypotenuse}}$$

$$\cos \theta = \frac{\text{adjacent}}{\text{hypotenuse}}$$

$$\tan \theta = \frac{\text{opposite}}{\text{adjacent}}$$

REMEMBER:

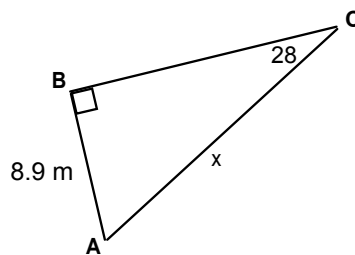
- Label angles with a CAPITAL letter
- Label sides opposite the angles with the same letter in lower case.



1

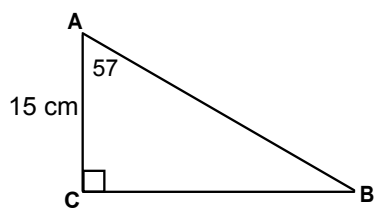
Find 'x'

S $\frac{O}{H}$ **C** $\frac{A}{H}$ **T** $\frac{O}{A}$



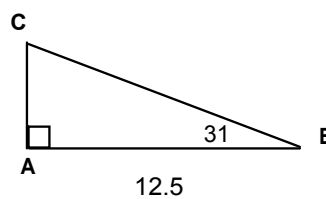
2

Find 'c'



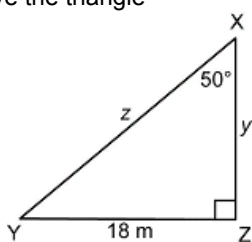
3

Find 'b'



4

Solve the triangle



Complete the Worksheet