

TRIGONOMETRY

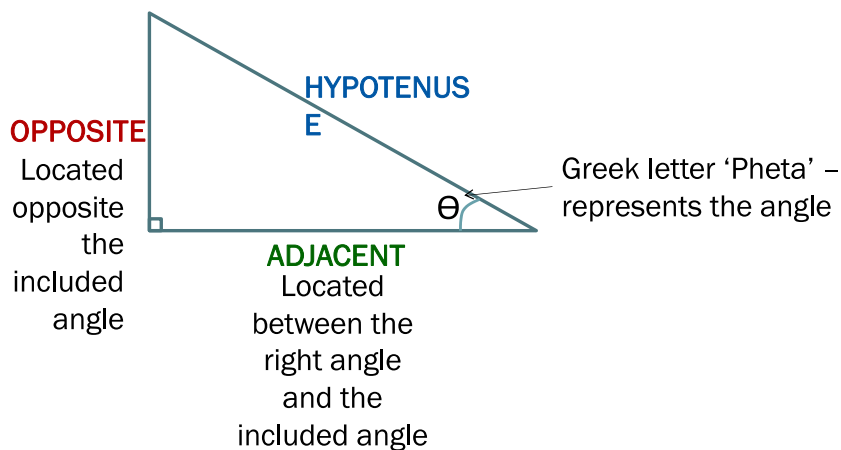
- LO: To be able to label a right-angled triangle correctly
- Able to find the length of a side using trigonometry
- Able to find an angle using trigonometry

This is an example lesson.

-I first start off by introducing the topic to the student, how do they find it?

-I then ask the student to write down everything they know about the topic (we will then do a comparison at the end)

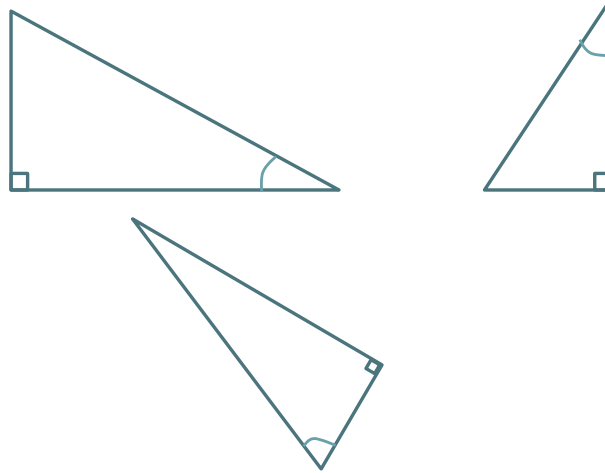
Trigonometry



Q1- How do you label the different sides of a right-angled triangle.

Q2- How can we use the trigonometry ratios to find a missing angle/side??

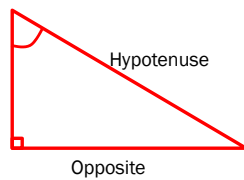
Starter-label the side



Trig Ratios – for right angled triangles

Sine Ratio:

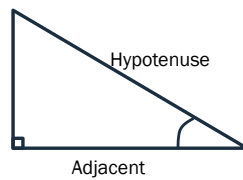
$$\sin \theta = \frac{\text{Opposite}}{\text{Hypotenuse}}$$



SOH

Cosine Ratio:

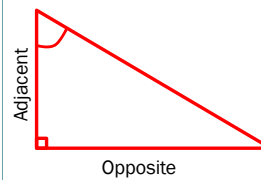
$$\cos \theta = \frac{\text{Adjacent}}{\text{Hypotenuse}}$$



CAH

Tangent Ratio:

$$\tan \theta = \frac{\text{Opposite}}{\text{Adjacent}}$$



TOA