

Trigonometric Skills

Topic	Description
Working with the graphs of trigonometric functions	<ul style="list-style-type: none"> • Basic graphs and amplitude • Vertical translation • Multiple angle • Phase angle
Working with Trigonometric relationships in degrees	<ul style="list-style-type: none"> • Sine, Cosine and Tangent of angles from 0° to 360° • Related angles • Period of graph • Solving basic equations (CAST) • Using the identities $\tan x^\circ = \frac{\sin x^\circ}{\cos x^\circ}$ and $\sin^2 x^\circ + \cos^2 x^\circ = 1$
Calculate the area of a triangle by using trigonometry	<ul style="list-style-type: none"> • Use the formula $\text{Area} = \frac{1}{2} ab \sin C^\circ$
Use the Sine or Cosine rules to find the side or angle in a non-right angled triangle.	<ul style="list-style-type: none"> • Use the sine rule to calculate a side or an angle • Use the cosine rule to calculate a side or an angle
Use bearings with trigonometry	<ul style="list-style-type: none"> • Using basic angle facts and trigonometry to calculate a distance or direction.