



# Trigonometry – Non Right-Angled Triangles



## Labelling your triangle



## Area of a triangle

$$\frac{1}{2} \times a \times b \times \sin C^\circ$$

## Cosine rule

### Finding Sides

$$a^2 = b^2 + c^2 - 2bc \cos A$$

To find sides you need:  
2 sides and 1 angle

### Finding Angles

$$\cos A = \frac{b^2 + c^2 - a^2}{2bc}$$

To find angles you need:  
3 sides

## Sine rule

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

To find sides you need:  
1 side and 2 angle

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

To find angles you need:  
2 sides and 1 angle

You only need to use 2 of the 3 fractions given here!

# Non Right Angled Triangle Trigonometry

**D Kirk**



## **Non Right Angled Triangle Trigonometry:**

## **Non Right Angled Triangle Trigonometry** Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Non Right Angled Triangle Trigonometry**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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