

Sine Rule and Cosine Rule

Learning objectives

This unit extends the theme of finding angles and lengths in a triangle. After completing this unit you should

- understand how to use the SINE and COSINE rules in non right angled triangles
- be able to find the area of any triangles, given two sides and the included angle
- be able to use Heron's formula to calculate the area of any triangle, given the lengths of its three sides
- be able to calculate values of trig functions for angles greater than 90° .