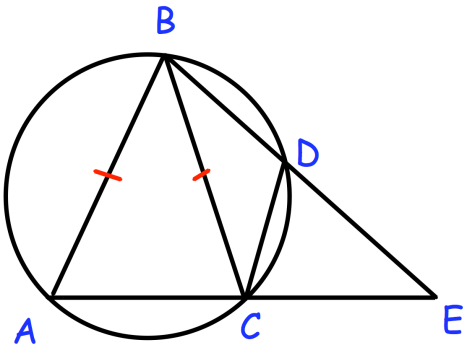
Name: _____ 5-a-day Further Maths

22nd March

Corbettmaths

Write $(1+4\sqrt{3})(5-\sqrt{3})$ in the form

$a+b\sqrt{3}$ where **a** and **b** are integers.



AB = BC
ACE and BDE are straight lines.

Prove that angle BCA = CDE

A circle has centre C and equation

$x^2+y^2-2x+6y-10=0$

Find the centre of the circle

Find the radius of the circle