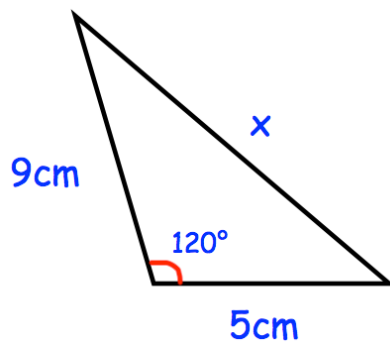**21st November**

Corbettmaths

$y = x^5 + 5x^2$

Work out $\dfrac{d^2y}{dx^2}$

Shown below is a triangle. **(non-calc)**

9cm

x

120°

5cm

Find the exact length of the side labelled x.

A circle has centre C and equation

$x^2 + y^2 - 8x + 10y - 3 = 0$

Find the centre of the circle

Find the radius of the circle