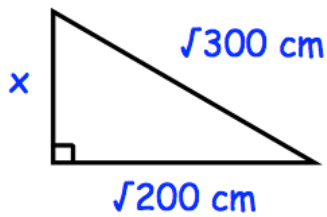


**18th August**

Corbettmaths

Find the nth term of the quadratic sequence with the first four terms

10    33    64    103    ....



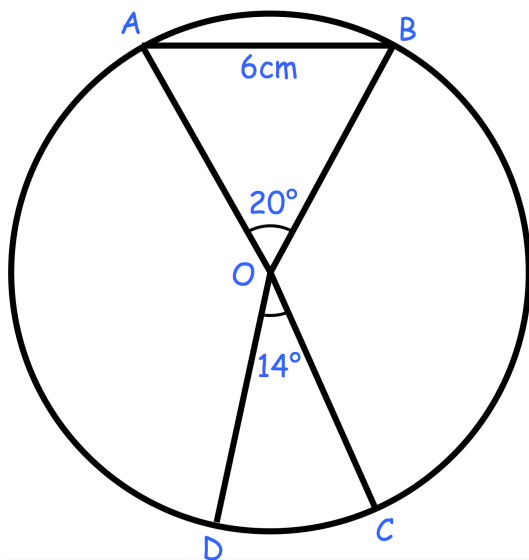
Find x

$$(x + 2)(x^2 - ax - 4)$$

is expanded and simplified

The coefficient of x is 6 times the coefficient of  $x^2$

Find a



Which has the greatest area, triangle OAB or sector ODC?