



Factorise

$$8x^2 + 14x - 15$$

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

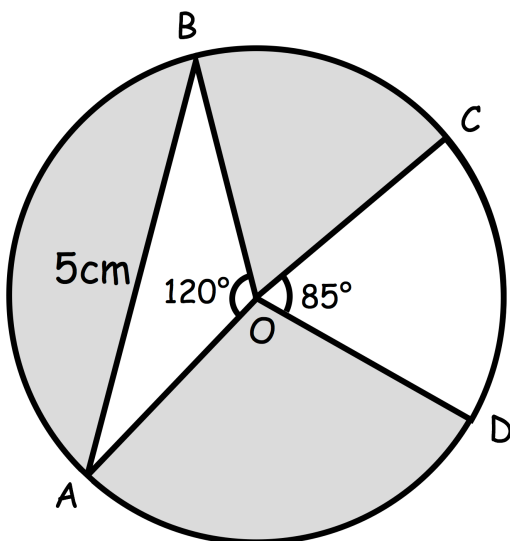
10 33 64 103

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

is expanded and simplified

The coefficient of x is 6 times the coefficient of x^2 Find a

A, B, C and D are points on a circle, centre O.

Chord $AB = 5\text{cm}$
Angle $AOB = 120^\circ$
Angle $COD = 85^\circ$

Find the area of the shaded region.