

4th December



Corbettmaths

A, B and C have coordinates (2, 9), (10, -7) and (6, k) respectively.

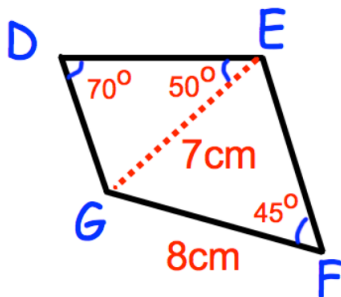
AB is perpendicular to AC
Find k

Find the nth term of the sequence

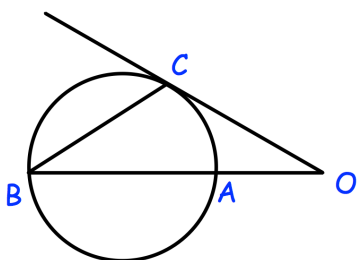
1 3 7 13 21

The point (6, 8) lies on a circle with centre (0, 0)

Write down the coordinates of another three points on the circle.



Calculate the area of DEFG



OAB is a straight line and OC is a tangent to the circle.

Prove OBC and OAC are similar