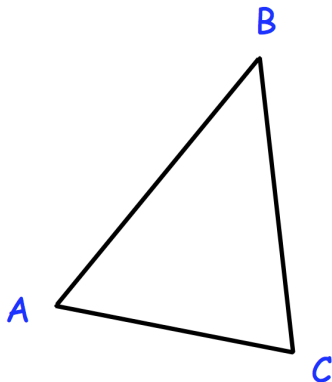**14th April**

Corbettmaths

Find the equation of the line that is perpendicular to $y = 3x - 7$ and passes through the point (9, 2)

The first 5 terms of a quadratic sequence are

    140   134   126   116   104

Find an expression for the nth term

James is at the point A.
He then walks 120m to the point B.
Angle ABC = 40° and Angle BAC = 75°

Find the distance AC

James carries on walking in the same direction for a further 70m to point D.

What is the distance DC?