

28th May

Corbettmaths

A car travelled for 170 minutes, to the nearest 5 minutes.

It travelled for a total distance of 120 km, to the nearest 10km

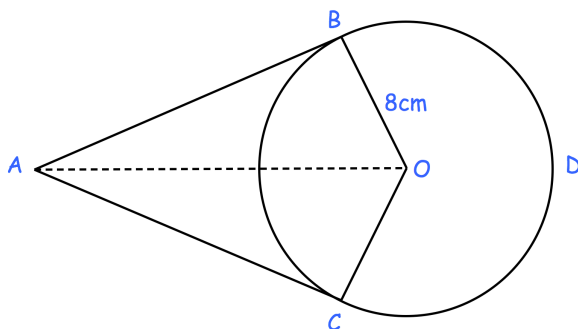
Work out the greatest possible average speed, in m/s

$$x_{n+1} = -3 - \frac{5}{x_n^2}$$

Starting with $x_0 = -4$

Find x_1 , x_2 and x_3

Explain the relationship between the values of x_1 , x_2 and x_3 and the equation $x^3 + 3x^2 + 5 = 0$



B, C and D are points on a circle of radius 8cm.

AB and AC are tangents to the circle.

AO = 11cm

Work out the length of arc BDC

Work out the area of sector BOC