

24th December

Corbettmaths

The first 4 terms of a sequence are:
504, 494, 479, 459

Which term is the first to be negative?

$$\mathbf{A} = \begin{pmatrix} 5 & -2 \\ 3 & 1 \end{pmatrix} \quad \mathbf{B} = \begin{pmatrix} -1 & 4 \\ 1 & 2 \end{pmatrix}$$

Work out the matrix **AB**

Solve the equation

$$7x - 22x^{\frac{1}{2}} + 16 = 0$$

Work out the stationary points on the curve $y = x^3 - 3x$

Sketch $y = x^3 - 3x$

