

21st September

Corbettmaths

Solve

$$\sqrt{500} + \sqrt{180} = \sqrt{y} + \sqrt{20}$$

Work out the equation of the line of symmetry of the graph

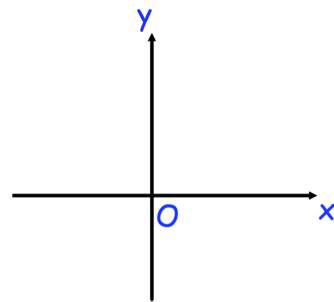
$$y = x^2 + 8x + 20$$

The n th term of a sequence is

$$\frac{2n^2 + 8}{3n^2 - 2}$$

Write down the limiting value of the sequence $n \rightarrow \infty$ Sketch the graph of $y = 40 \times \left(\frac{1}{2}\right)^x$

Label the coordinates of any points of intersection with the coordinate axes.

Given that $y = 2x(7 - x)$ Work out the rate of change of y with respect to x when $x = 4$