

5th January

Corbettmaths

Express $(8 + \sqrt{5})^2$ in the form $a + b\sqrt{5}$

Find the minimum value of $x^2 + 6x + 20$ and the value of x for which it occurs.

Write the equation of a circle C , with centre O and radius 4cm .

Write $2.1\dot{6}\dot{5}$ as a mixed number.
Give your answer in its simplest form.

Find the n th term of
 $1, 3, 7, 13, 21, \dots, \dots$