



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 the circle C , with centre O and radius 4.

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

Find the n th term of

1, 3, 7, 13, 21, ..., ...