

14th August

Corbettmaths

Simplify fully

$$\frac{6}{(x-5)(x-3)} + \frac{x}{x-3}$$

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

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 $x^3 + 3x^2 + 5 = 0$

A is directly proportional to the cube root of B.
B is increased by 60%.
Work out the percentage increase in A.

The distance between the points (1, 2) and (16, p) is 17.
Find the possible values of p.