

15 (a) Show that the equation $x^3 - 5x - 1 = 0$ has a solution between $x = 2$ and $x = 3$. [3]

15 Use the formula $x_{n+1} = \frac{(x_n)^3}{30} + 2$ with $x_1 = 2$ to calculate x_2 and x_3 .
Round your answers correct to 4 decimal places.

$x_2 = \dots\dots\dots$ and $x_3 = \dots\dots\dots$ [3]