

We know from the previous worksheet that the equation $x^4 - 4x + 2 = 0$ has exactly two real solutions. One solution is in $(0, 1)$. The other solution is in $(1, 2)$.

3) Convert the root-finding problem $x^4 - 4x + 2 = 0$ into a fixed-point problem and find the **smaller** fixed point correct to 2 decimal places.

4) Convert the root-finding problem $x^4 - 4x + 2 = 0$ into a fixed-point problem and find the **larger** fixed point correct to 2 decimal places.