

Iteration Worksheet

By finding a suitable rearrangement, solve the following equations to 4 decimal places.

1. $0 = x^3 + 2x^2 - 5x - 1.$

□

2. $\ln x = x^3 - 2x - 1.$

$x = 0.2335$ or $x = 1.7029$

3. $\sin^2 x = \frac{x}{2}.$

$x = 0$ or $x = 0.5546$ or $x =$

4. $e^{-x^2} = -2x^2 + 2x + 2.$

$x = -0.4095$ or $x = 2.7320$