

Practice Questions for Lecture No. 1-3

Question 1:

Convert the decimal number 80 into its binary equivalent.

Question 2:

Convert the binary number $(11001100)_2$ to its decimal equivalent.

Question 3:

Find the relative error when $\sqrt{17}$ is considered upto four decimal places.

Question 4:

Find the interval in which atleast one root of the equation $x^3 - x^2 - 2x + 1 = 0$ lies.

Question 5:

Find the real root of the equation $x^4 - x - 10 = 0$ in the interval $[1, 2]$ by bisection method upto two iterations.