Numerical Analysis
Assignment 1

INSTRUCTION

1. Solve the systems of equation using Gaussian Elimination method:

$$
\begin{array}{rrrrrrr}
2x_1 & -\ 3x_2 & +\ 4x_3 & +\ x_4 & -\ 5x_5 & = & 6 \\
x_1 & +\ x_2 & -\ x_3 & +\ 2x_4 & +\ x_5 & = & 3 \\
3x_1 & +\ 2x_2 & +\ 4x_3 & -\ x_4 & +\ x_5 & = & -2 \\
x_1 & +\ 3x_2 & -\ 2x_3 & +\ x_4 & -\ 2x_5 & = & 3 \\
4x_1 & +\ x_2 & -\ x_3 & +\ x_4 & -\ x_5 & = & 0
\end{array}
$$