HW3

Solve

$$
\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
-2 & -3 & -4 & -1 & 1 \\
2 & 3 & 4 & 5 & 1 \\
-4 & -3 & -2 & -1 & 1 \\
4 & -3 & -2 & -1 & 5
\end{bmatrix}
\begin{bmatrix}
x_1 \\
x_2 \\
x_3 \\
x_4 \\
x_5
\end{bmatrix}
=
\begin{bmatrix}
-1 \\
2 \\
3 \\
4 \\
1
\end{bmatrix}
$$

by Gauss elimination method. The desired accuracy is 5 digits after the decimal point.

The solution (and the program) should be sent to phys420@cox.net, cc ibalitsk@odu.edu by 4 p.m. next Thursday (Oct 24).