Show all of your work, completely simplify your answers, and give exact values only. Be both clear and organized with your presentation.

Use Gauss Jordan Elimination to solve the following system of equations:

$$
\begin{aligned}
& 2 x-4 y+2 z=7 \\
& 3 x+y-2 z=-3 \\
& 5 x-y+4 z=11
\end{aligned}
$$

