Precalculus

9-02 Gaussian Elimination

Gaussian Elimination

- Solving a system of linear equations by putting it into _____form with elementary row operations

Gauss-Jordan Elimination

- Solve by putting the system into _____row-echelon form
- If a row becomes all zeros with final entry not zero = _____solution
- If a row becomes all zeros = _____solutions

Solve $\begin{cases} x - 3z = -5 \\ 3x + y - 2z = -4 \\ 2x + 2y + z = -2 \end{cases}$

Solve $\begin{cases} x + y + 5z = -3 \\ -x - 2y - 8z = 5 \\ -x - 2z = 1 \end{cases}$