Pset#1: Solving systems of equations with Gaussian Elimination

Precalculus

Spring Semester 2022

Herbert H. Lehman High School

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Be sure to: Complete all work in your notebook. Upload a photo to Google Classroom to submit. Show all work!

1. Consider the following system of equations:

Steps (a)-(c) below illustrate the conversion of this system into row-echelon form. For each step, explain how it was derived from the previous step. Be as explicit as possible!

Finally, use back–substitution to solve for x, y, and z.

2. Use Gaussian eliminitation to convert the system below to row-echelon form, the use back