Please print your name:

Problem 1. Consider the following system of linear equations:

- (a) Determine its augmented matrix.
- (b) Apply a sequence of elementary row operations to obtain an equivalent matrix in echelon form ("triangular" shape). Record all your row operations.
- (c) Apply back-substitution to solve the corresponding linear system. Verify that your solution also solves the original linear system.
- (d) Is this linear system consistent?

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