Submit written solutions to the following problems. The solutions should explicitly provide all the row-reduction steps.

Use Gauss-Jordan Reduction to solve the following system of linear equations:

- 1. 2x + 3y = 12y + 3x = -1.
- 2. 2x + 3y + z = 11
  - 3x + 2y z = 4
  - 2x y + 3z = -9.
- 3. 2x + 6y = 4
  - 3x + 9y = 5.
- 4. 2x + 3y + z = 11
  - 3x + 2y z = 4
  - 4x + 6y + 2z = 22.