

CP Algebra 2  
HW: Gaussian Elimination

Name: \_\_\_\_\_

Solve each of the following problems using Gaussian Elimination on separate paper.

$$1.) \quad \begin{cases} 4x - 5y = 7 \\ 2x + 7y = 13 \end{cases}$$

$$2.) \quad \begin{cases} 5x - 7y = 12 \\ 3x + 2y = 8 \end{cases}$$

$$3.) \quad \begin{cases} x - 3y + z = 44 \\ x - y - z = 26 \\ 5x + 2y + 19z = 58 \end{cases}$$

$$4.) \quad \begin{cases} 7x - 5y + 3z = 182 \\ x + 4y - 2z = -112 \\ -5x + y - 11z = -238 \end{cases}$$

$$5.) \quad \begin{cases} 7x - 12y + 5z = 10 \\ -2x + 8y - z = -30 \\ 2x - 3y + 4z = 50 \end{cases}$$