

CP Algebra 2
3x3 Systems of Equations

Name: _____

Solve the systems of equations problems using elimination. Show your work. Check your answers.

1.)
$$\begin{cases} 3x - 4y + 5z = 10 \\ 2x + 7y - 3z = 20 \\ -x + 11y - 9z = 5 \end{cases}$$

2.)
$$\begin{cases} 7x - 4y + 3z = 42 \\ 5x + 3y - 8z = 10 \\ -6x - 2y + 13z = 30 \end{cases}$$

$$3.) \begin{cases} 12x - 3y + 8z = 5 \\ 2x + 5y - 11z = 3 \\ -3x + 4y + 5z = 8 \end{cases}$$

$$4.) \begin{cases} 2x + 3y + 4z = 5 \\ 6x + 7y + 8z = 9 \\ 10x - 11y + 12z = 13 \end{cases}$$