

IM 3

2-9 Practice 1

Name: _____ Per: _____ Date: _____

Solve each system in the space provided.

1.
$$\begin{cases} 2x + 3y - z = -6 \\ x + 2y + 2z = 2 \\ 3x - y + z = -4 \end{cases}$$

2.
$$\begin{cases} 2x - y + 3z = -23 \\ x - y - z = -6 \\ -2x + y + 2z = 8 \end{cases}$$

3.
$$\begin{cases} 2x - y - 2z = 7 \\ 2x - 3y - z = 1 \\ -2x + y + z = -7 \end{cases}$$

4.
$$\begin{cases} -2x - 2y + z = -6 \\ -2x + 3y - 3z = -19 \\ 2x + 3y + z = 9 \end{cases}$$

$$5. \begin{cases} -3x - y + 3z = 13 \\ -4x + y + z = 5 \\ -x + y + 3z = 1 \end{cases}$$

$$6. \begin{cases} -2x + y + 3z = 0 \\ x - y + 3z = -9 \\ x - y - 3z = 5 \end{cases}$$

$$7. \begin{cases} -5x + 4y + z = 22 \\ 5x - 4y - 4z = -10 \\ x - 4y - z = -14 \end{cases}$$

$$8. \begin{cases} -2x + 5y + 4z = -11 \\ x - y + 4z = 10 \\ -x - 5y - 4z = 20 \end{cases}$$