

三元一次方程式 ( $ax+by+cz=d$ )

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分数: \_\_\_\_\_

1.  $5x + 2y - 1z = 50$   
 $6x + 2y + 3z = 66$   
 $3x + 6y + 2z = 64$

2.  $2x + 2y - 4z = -6$   
 $5x + 4y - 3z = 9$   
 $4x - 6y + 2z = -12$

3.  $1x - 2y + 2z = 12$   
 $1x - 3y + 6z = 34$   
 $4x + 2y - 6z = -16$

4.  $1x + 5y - 5z = -30$   
 $6x - 3y + 5z = 67$   
 $4x + 1y - 2z = 5$

5.  $2x - 3y - 4z = -44$   
 $5x + 4y + 2z = 43$   
 $5x + 6y - 1z = 34$

6.  $4x - 4y - 3z = -9$   
 $6x - 3y - 6z = -12$   
 $6x + 3y - 5z = 3$



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$$\begin{aligned} 1. \quad & 5x + 2y - 1z = 50 \\ & 6x + 2y + 3z = 66 \\ & 3x + 6y + 2z = 64 \end{aligned}$$

$$\begin{aligned} x &= 8 \\ y &= 6 \\ z &= 2 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2x + 2y - 4z = -6 \\ & 5x + 4y - 3z = 9 \\ & 4x - 6y + 2z = -12 \end{aligned}$$

$$\begin{aligned} x &= 1 \\ y &= 4 \\ z &= 4 \end{aligned}$$

$$\begin{aligned} 3. \quad & 1x - 2y + 2z = 12 \\ & 1x - 3y + 6z = 34 \\ & 4x + 2y - 6z = -16 \end{aligned}$$

$$\begin{aligned} x &= 4 \\ y &= 2 \\ z &= 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & 1x + 5y - 5z = -30 \\ & 6x - 3y + 5z = 67 \\ & 4x + 1y - 2z = 5 \end{aligned}$$

$$\begin{aligned} x &= 5 \\ y &= 1 \\ z &= 8 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2x - 3y - 4z = -44 \\ & 5x + 4y + 2z = 43 \\ & 5x + 6y - 1z = 34 \end{aligned}$$

$$\begin{aligned} x &= 1 \\ y &= 6 \\ z &= 7 \end{aligned}$$

$$\begin{aligned} 6. \quad & 4x - 4y - 3z = -9 \\ & 6x - 3y - 6z = -12 \\ & 6x + 3y - 5z = 3 \end{aligned}$$

$$\begin{aligned} x &= 2 \\ y &= 2 \\ z &= 3 \end{aligned}$$