



三元一次方程式 ($ax+by+cz=d$)

姓名: _____

日期: _____ 分数: _____

1. $2x - 1y + 6z = 47$
 $1x + 1y - 5z = -30$
 $1x + 6y + 3z = 69$

2. $1x - 2y + 3z = 5$
 $3x + 3y - 1z = 14$
 $2x + 2y - 5z = 5$

3. $3x - 5y - 3z = -23$
 $2x + 2y - 3z = -2$
 $4x - 4y - 5z = -28$

4. $1x + 5y + 2z = 44$
 $5x - 3y - 2z = 0$
 $3x - 1y - 5z = -2$

5. $2x - 4y + 3z = -12$
 $4x - 4y - 2z = -20$
 $5x - 3y - 3z = -16$

6. $4x - 2y + 3z = 32$
 $3x + 2y + 2z = 47$
 $6x - 6y + 6z = 36$



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$$\begin{aligned} 1. \quad & 2x - 1y + 6z = 47 \\ & 1x + 1y - 5z = -30 \\ & 1x + 6y + 3z = 69 \end{aligned}$$

$$\begin{aligned} x &= 3 \\ y &= 7 \\ z &= 8 \end{aligned}$$

$$\begin{aligned} 2. \quad & 1x - 2y + 3z = 5 \\ & 3x + 3y - 1z = 14 \\ & 2x + 2y - 5z = 5 \end{aligned}$$

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

$$\begin{aligned} 3. \quad & 3x - 5y - 3z = -23 \\ & 2x + 2y - 3z = -2 \\ & 4x - 4y - 5z = -28 \end{aligned}$$

$$\begin{aligned} x &= 7 \\ y &= 4 \\ z &= 8 \end{aligned}$$

$$\begin{aligned} 4. \quad & 1x + 5y + 2z = 44 \\ & 5x - 3y - 2z = 0 \\ & 3x - 1y - 5z = -2 \end{aligned}$$

$$\begin{aligned} x &= 5 \\ y &= 7 \\ z &= 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & 2x - 4y + 3z = -12 \\ & 4x - 4y - 2z = -20 \\ & 5x - 3y - 3z = -16 \end{aligned}$$

$$\begin{aligned} x &= 1 \\ y &= 5 \\ z &= 2 \end{aligned}$$

$$\begin{aligned} 6. \quad & 4x - 2y + 3z = 32 \\ & 3x + 2y + 2z = 47 \\ & 6x - 6y + 6z = 36 \end{aligned}$$

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