



三元一次方程式 ($ax+by+cz=d$)

姓名: _____

日期: _____ 分数: _____

1. $2x - 2y - 4z = -34$
 $5x + 1y - 3z = 13$
 $3x - 2y + 1z = 12$

2. $6x + 3y - 5z = 13$
 $3x - 2y - 3z = -11$
 $6x - 3y + 5z = 59$

3. $3x - 4y - 6z = -13$
 $5x - 1y - 1z = 28$
 $4x + 3y + 2z = 46$

4. $3x + 3y + 1z = 41$
 $4x - 5y + 4z = 40$
 $2x - 1y + 3z = 34$

5. $3x - 5y - 1z = -32$
 $1x + 4y + 6z = 67$
 $6x - 3y + 3z = 15$

6. $5x + 3y + 2z = 52$
 $5x - 3y + 3z = 33$
 $3x + 2y - 2z = 16$



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$$\begin{aligned} 1. \quad & 2x - 2y - 4z = -34 \\ & 5x + 1y - 3z = 13 \\ & 3x - 2y + 1z = 12 \end{aligned}$$

$$\begin{aligned} x &= 6 \\ y &= 7 \\ z &= 8 \end{aligned}$$

$$\begin{aligned} 2. \quad & 6x + 3y - 5z = 13 \\ & 3x - 2y - 3z = -11 \\ & 6x - 3y + 5z = 59 \end{aligned}$$

$$\begin{aligned} x &= 6 \\ y &= 4 \\ z &= 7 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3x - 4y - 6z = -13 \\ & 5x - 1y - 1z = 28 \\ & 4x + 3y + 2z = 46 \end{aligned}$$

$$\begin{aligned} x &= 7 \\ y &= 4 \\ z &= 3 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3x + 3y + 1z = 41 \\ & 4x - 5y + 4z = 40 \\ & 2x - 1y + 3z = 34 \end{aligned}$$

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

$$\begin{aligned} 5. \quad & 3x - 5y - 1z = -32 \\ & 1x + 4y + 6z = 67 \\ & 6x - 3y + 3z = 15 \end{aligned}$$

$$\begin{aligned} x &= 3 \\ y &= 7 \\ z &= 6 \end{aligned}$$

$$\begin{aligned} 6. \quad & 5x + 3y + 2z = 52 \\ & 5x - 3y + 3z = 33 \\ & 3x + 2y - 2z = 16 \end{aligned}$$

$$\begin{aligned} x &= 6 \\ y &= 4 \\ z &= 5 \end{aligned}$$