



三元一次方程式 ($ax+by+cz=d$)

姓名: _____

日期: _____ 分數: _____

1.
$$6x - 1y + 3z = 22$$
$$3x + 2y + 1z = 22$$
$$4x - 3y - 6z = -21$$

2.
$$5x - 6y - 1z = -27$$
$$1x + 1y + 3z = 27$$
$$5x + 6y - 6z = 15$$

3.
$$6x - 1y - 4z = -7$$
$$3x - 2y + 4z = 16$$
$$1x - 3y + 5z = 13$$

4.
$$3x + 4y - 2z = 29$$
$$1x + 4y - 1z = 23$$
$$6x + 6y + 1z = 86$$

5.
$$4x - 6y - 1z = -3$$
$$1x - 6y - 1z = -12$$
$$6x - 3y + 3z = 21$$

6.
$$6x - 4y + 2z = 50$$
$$5x + 5y - 1z = 45$$
$$6x - 6y - 2z = 26$$



姓名: _____

日期: _____ 分數: _____

$$\begin{aligned} 1. \quad & 6x - 1y + 3z = 22 \\ & 3x + 2y + 1z = 22 \\ & 4x - 3y - 6z = -21 \end{aligned}$$

$$\begin{aligned} x &= 3 \\ y &= 5 \\ z &= 3 \end{aligned}$$

$$\begin{aligned} 2. \quad & 5x - 6y - 1z = -27 \\ & 1x + 1y + 3z = 27 \\ & 5x + 6y - 6z = 15 \end{aligned}$$

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

$$\begin{aligned} 3. \quad & 6x - 1y - 4z = -7 \\ & 3x - 2y + 4z = 16 \\ & 1x - 3y + 5z = 13 \end{aligned}$$

$$\begin{aligned} x &= 2 \\ y &= 3 \\ z &= 4 \end{aligned}$$

$$\begin{aligned} 4. \quad & 3x + 4y - 2z = 29 \\ & 1x + 4y - 1z = 23 \\ & 6x + 6y + 1z = 86 \end{aligned}$$

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

$$\begin{aligned} 5. \quad & 4x - 6y - 1z = -3 \\ & 1x - 6y - 1z = -12 \\ & 6x - 3y + 3z = 21 \end{aligned}$$

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

$$\begin{aligned} 6. \quad & 6x - 4y + 2z = 50 \\ & 5x + 5y - 1z = 45 \\ & 6x - 6y - 2z = 26 \end{aligned}$$

$$\begin{aligned} x &= 8 \\ y &= 2 \\ z &= 5 \end{aligned}$$