

三元一次方程式 ($ax+by+cz=d$)

姓名: _____

日期: _____ 分数: _____

1.
$$\begin{aligned} 5x + 4y - 1z &= 41 \\ 4x + 6y + 5z &= 50 \\ 3x + 6y - 6z &= 21 \end{aligned}$$

2.
$$\begin{aligned} 6x + 4y - 1z &= 18 \\ 1x - 4y + 1z &= 3 \\ 6x + 4y + 1z &= 26 \end{aligned}$$

3.
$$\begin{aligned} 6x - 5y - 1z &= 11 \\ 6x + 2y - 3z &= 29 \\ 5x - 3y + 4z &= 38 \end{aligned}$$

4.
$$\begin{aligned} 5x + 1y - 5z &= 36 \\ 1x - 2y - 2z &= -7 \\ 6x - 3y + 2z &= 26 \end{aligned}$$

5.
$$\begin{aligned} 2x + 3y - 1z &= 22 \\ 4x - 1y - 5z &= 0 \\ 6x + 1y + 1z &= 38 \end{aligned}$$

6.
$$\begin{aligned} 3x + 4y + 1z &= 34 \\ 2x + 4y - 1z &= 16 \\ 5x - 6y + 1z &= -12 \end{aligned}$$

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1. $5x + 4y - 1z = 41$

$4x + 6y + 5z = 50$

$3x + 6y - 6z = 21$

$x = 7$

$y = 2$

$z = 2$

2. $6x + 4y - 1z = 18$

$1x - 4y + 1z = 3$

$6x + 4y + 1z = 26$

$x = 3$

$y = 1$

$z = 4$

3. $6x - 5y - 1z = 11$

$6x + 2y - 3z = 29$

$5x - 3y + 4z = 38$

$x = 6$

$y = 4$

$z = 5$

4. $5x + 1y - 5z = 36$

$1x - 2y - 2z = -7$

$6x - 3y + 2z = 26$

$x = 7$

$y = 6$

$z = 1$

5. $2x + 3y - 1z = 22$

$4x - 1y - 5z = 0$

$6x + 1y + 1z = 38$

$x = 5$

$y = 5$

$z = 3$

6. $3x + 4y + 1z = 34$

$2x + 4y - 1z = 16$

$5x - 6y + 1z = -12$

$x = 2$

$y = 5$

$z = 8$