



三元一次方程式 ($ax+by+cz=d$)

姓名: _____

日期: _____ 分数: _____

1.
$$2x + 4y + 1z = 45$$
$$1x - 4y + 6z = 19$$
$$1x - 1y + 3z = 19$$

2.
$$6x - 4y + 2z = 16$$
$$4x + 4y + 4z = 36$$
$$4x + 6y - 4z = -18$$

3.
$$4x - 5y - 6z = -57$$
$$5x - 1y - 4z = -24$$
$$1x + 3y - 4z = -8$$

4.
$$1x + 6y + 2z = 28$$
$$5x - 2y + 6z = 80$$
$$1x - 1y - 1z = 0$$

5.
$$4x - 5y - 4z = -19$$
$$5x - 4y + 6z = 36$$
$$5x - 4y - 5z = -8$$

6.
$$6x + 2y - 2z = 24$$
$$6x - 3y - 1z = 15$$
$$1x - 5y - 6z = -46$$



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1. $2x + 4y + 1z = 45$
 $1x - 4y + 6z = 19$
 $1x - 1y + 3z = 19$

$$x = 5$$
$$y = 7$$
$$z = 7$$

2. $6x - 4y + 2z = 16$
 $4x + 4y + 4z = 36$
 $4x + 6y - 4z = -18$

$$x = 1$$
$$y = 1$$
$$z = 7$$

3. $4x - 5y - 6z = -57$
 $5x - 1y - 4z = -24$
 $1x + 3y - 4z = -8$

$$x = 1$$
$$y = 5$$
$$z = 6$$

4. $1x + 6y + 2z = 28$
 $5x - 2y + 6z = 80$
 $1x - 1y - 1z = 0$

$$x = 8$$
$$y = 1$$
$$z = 7$$

5. $4x - 5y - 4z = -19$
 $5x - 4y + 6z = 36$
 $5x - 4y - 5z = -8$

$$x = 8$$
$$y = 7$$
$$z = 4$$

6. $6x + 2y - 2z = 24$
 $6x - 3y - 1z = 15$
 $1x - 5y - 6z = -46$

$$x = 5$$
$$y = 3$$
$$z = 6$$