



三元一次方程式 ($ax+by+cz=d$)

姓名: _____

日期: _____ 分數: _____

1. $2x - 6y + 6z = 12$
 $3x - 1y - 4z = -10$
 $3x + 3y + 5z = 38$

2. $5x - 3y - 1z = 18$
 $5x - 4y + 3z = 41$
 $4x - 5y - 5z = -28$

3. $5x - 3y - 5z = -36$
 $1x - 4y + 5z = 17$
 $5x + 6y + 3z = 91$

4. $2x + 6y + 1z = 42$
 $2x - 3y + 1z = 6$
 $4x - 3y - 6z = 8$

5. $4x - 6y - 5z = -7$
 $2x - 3y + 2z = 10$
 $5x - 5y + 2z = 21$

6. $3x + 3y - 4z = 19$
 $3x - 2y + 4z = 0$
 $3x + 3y + 2z = 31$



姓名: _____

日期: _____ 分數: _____

1. $2x - 6y + 6z = 12$
 $3x - 1y - 4z = -10$
 $3x + 3y + 5z = 38$

$$x = 3$$
$$y = 3$$
$$z = 4$$

2. $5x - 3y - 1z = 18$
 $5x - 4y + 3z = 41$
 $4x - 5y - 5z = -28$

$$x = 8$$
$$y = 5$$
$$z = 7$$

3. $5x - 3y - 5z = -36$
 $1x - 4y + 5z = 17$
 $5x + 6y + 3z = 91$

$$x = 5$$
$$y = 7$$
$$z = 8$$

4. $2x + 6y + 1z = 42$
 $2x - 3y + 1z = 6$
 $4x - 3y - 6z = 8$

$$x = 8$$
$$y = 4$$
$$z = 2$$

5. $4x - 6y - 5z = -7$
 $2x - 3y + 2z = 10$
 $5x - 5y + 2z = 21$

$$x = 5$$
$$y = 2$$
$$z = 3$$

6. $3x + 3y - 4z = 19$
 $3x - 2y + 4z = 0$
 $3x + 3y + 2z = 31$

$$x = 2$$
$$y = 7$$
$$z = 2$$