



三元一次方程式 ( $ax+by+cz=d$ )

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分數: \_\_\_\_\_

1.  $4x - 5y - 6z = -47$   
 $6x + 3y + 2z = 47$   
 $2x - 5y - 2z = -37$

2.  $1x - 1y + 5z = 9$   
 $4x + 2y - 5z = 29$   
 $4x + 5y - 2z = 41$

3.  $4x + 6y + 4z = 48$   
 $6x - 4y - 1z = 39$   
 $4x + 6y + 2z = 46$

4.  $1x - 4y - 4z = -28$   
 $2x + 6y - 6z = 44$   
 $1x + 6y + 2z = 48$

5.  $1x + 5y + 2z = 29$   
 $2x + 1y - 3z = -16$   
 $1x + 2y - 3z = -17$

6.  $4x + 5y - 6z = -12$   
 $6x - 2y - 3z = -8$   
 $4x - 6y + 6z = 40$



姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分數: \_\_\_\_\_

1.  $4x - 5y - 6z = -47$   
 $6x + 3y + 2z = 47$   
 $2x - 5y - 2z = -37$

$x = 3$   
 $y = 7$   
 $z = 4$

2.  $1x - 1y + 5z = 9$   
 $4x + 2y - 5z = 29$   
 $4x + 5y - 2z = 41$

$x = 7$   
 $y = 3$   
 $z = 1$

3.  $4x + 6y + 4z = 48$   
 $6x - 4y - 1z = 39$   
 $4x + 6y + 2z = 46$

$x = 8$   
 $y = 2$   
 $z = 1$

4.  $1x - 4y - 4z = -28$   
 $2x + 6y - 6z = 44$   
 $1x + 6y + 2z = 48$

$x = 4$   
 $y = 7$   
 $z = 1$

5.  $1x + 5y + 2z = 29$   
 $2x + 1y - 3z = -16$   
 $1x + 2y - 3z = -17$

$x = 3$   
 $y = 2$   
 $z = 8$

6.  $4x + 5y - 6z = -12$   
 $6x - 2y - 3z = -8$   
 $4x - 6y + 6z = 40$

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