



三元一次方程式 ($ax+by+cz=d$)

姓名: _____

日期: _____ 分数: _____

1.
$$6x - 1y - 1z = 4$$
$$4x + 1y - 4z = -4$$
$$3x - 2y + 4z = 17$$

2.
$$2x - 4y - 1z = -16$$
$$1x + 1y - 2z = 7$$
$$2x - 4y + 3z = -8$$

3.
$$1x - 1y - 1z = -4$$
$$4x + 4y - 1z = 31$$
$$2x + 1y + 4z = 34$$

4.
$$6x + 6y + 3z = 48$$
$$6x - 5y - 6z = -21$$
$$6x + 6y + 4z = 52$$

5.
$$4x + 6y - 2z = 24$$
$$6x - 3y + 1z = 20$$
$$6x - 2y + 4z = 48$$

6.
$$3x - 3y - 6z = -51$$
$$3x - 2y + 1z = -3$$
$$2x + 1y + 1z = 14$$



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1. $6x - 1y - 1z = 4$
 $4x + 1y - 4z = -4$
 $3x - 2y + 4z = 17$

$x = 3$
 $y = 8$
 $z = 6$

2. $2x - 4y - 1z = -16$
 $1x + 1y - 2z = 7$
 $2x - 4y + 3z = -8$

$x = 5$
 $y = 6$
 $z = 2$

3. $1x - 1y - 1z = -4$
 $4x + 4y - 1z = 31$
 $2x + 1y + 4z = 34$

$x = 5$
 $y = 4$
 $z = 5$

4. $6x + 6y + 3z = 48$
 $6x - 5y - 6z = -21$
 $6x + 6y + 4z = 52$

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

5. $4x + 6y - 2z = 24$
 $6x - 3y + 1z = 20$
 $6x - 2y + 4z = 48$

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

6. $3x - 3y - 6z = -51$
 $3x - 2y + 1z = -3$
 $2x + 1y + 1z = 14$

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