



## Three-Variables Linear Equations ( $ax+by+cz=d$ )

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

1.  $3x - 2y + 6z = 21$   
 $6x + 1y + 5z = 50$   
 $1x - 4y + 4z = -1$

2.  $2x + 4y - 2z = 22$   
 $1x + 3y + 4z = 57$   
 $1x - 2y + 3z = 19$

3.  $1x + 3y - 6z = -14$   
 $5x - 1y + 5z = 41$   
 $1x - 4y - 5z = -37$

4.  $4x - 2y + 4z = 48$   
 $5x - 2y - 3z = -1$   
 $6x + 6y + 2z = 94$

5.  $5x - 3y - 6z = 1$   
 $2x - 3y + 6z = 22$   
 $3x + 5y + 1z = 28$

6.  $6x + 3y + 1z = 32$   
 $4x - 1y - 6z = -44$   
 $2x - 2y - 5z = -44$



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1.  $3x - 2y + 6z = 21$   
 $6x + 1y + 5z = 50$   
 $1x - 4y + 4z = -1$   
 $x = 7$   
 $y = 3$   
 $z = 1$

2.  $2x + 4y - 2z = 22$   
 $1x + 3y + 4z = 57$   
 $1x - 2y + 3z = 19$   
 $x = 7$   
 $y = 6$   
 $z = 8$

3.  $1x + 3y - 6z = -14$   
 $5x - 1y + 5z = 41$   
 $1x - 4y - 5z = -37$   
 $x = 4$   
 $y = 4$   
 $z = 5$

4.  $4x - 2y + 4z = 48$   
 $5x - 2y - 3z = -1$   
 $6x + 6y + 2z = 94$   
 $x = 7$   
 $y = 6$   
 $z = 8$

5.  $5x - 3y - 6z = 1$   
 $2x - 3y + 6z = 22$   
 $3x + 5y + 1z = 28$   
 $x = 5$   
 $y = 2$   
 $z = 3$

6.  $6x + 3y + 1z = 32$   
 $4x - 1y - 6z = -44$   
 $2x - 2y - 5z = -44$   
 $x = 2$   
 $y = 4$   
 $z = 8$