



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

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

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

1.  $4x - 5y + 4z = 42$   
 $5x + 4y + 4z = 65$   
 $6x - 1y - 4z = -4$

2.  $5x + 6y - 6z = 40$   
 $3x - 2y - 6z = -28$   
 $2x - 5y + 3z = -27$

3.  $4x + 1y + 5z = 44$   
 $4x + 4y - 6z = -16$   
 $6x + 2y + 6z = 58$

4.  $3x + 2y - 1z = 21$   
 $3x + 1y + 5z = 19$   
 $4x + 5y + 5z = 53$

5.  $1x - 5y + 3z = -9$   
 $4x + 4y + 1z = 51$   
 $3x + 2y - 6z = 13$

6.  $3x + 1y + 2z = 37$   
 $5x - 1y - 3z = 24$   
 $3x + 1y + 3z = 40$



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1.  $4x - 5y + 4z = 42$   
 $5x + 4y + 4z = 65$   
 $6x - 1y - 4z = -4$   
 $x = 5$   
 $y = 2$   
 $z = 8$

2.  $5x + 6y - 6z = 40$   
 $3x - 2y - 6z = -28$   
 $2x - 5y + 3z = -27$   
 $x = 2$   
 $y = 8$   
 $z = 3$

3.  $4x + 1y + 5z = 44$   
 $4x + 4y - 6z = -16$   
 $6x + 2y + 6z = 58$   
 $x = 3$   
 $y = 2$   
 $z = 6$

4.  $3x + 2y - 1z = 21$   
 $3x + 1y + 5z = 19$   
 $4x + 5y + 5z = 53$   
 $x = 2$   
 $y = 8$   
 $z = 1$

5.  $1x - 5y + 3z = -9$   
 $4x + 4y + 1z = 51$   
 $3x + 2y - 6z = 13$   
 $x = 7$   
 $y = 5$   
 $z = 3$

6.  $3x + 1y + 2z = 37$   
 $5x - 1y - 3z = 24$   
 $3x + 1y + 3z = 40$   
 $x = 8$   
 $y = 7$   
 $z = 3$