



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

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

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

1.  $6x + 4y + 4z = 80$   
 $6x - 3y - 5z = -9$   
 $4x - 6y + 5z = 24$

2.  $6x - 3y + 6z = 60$   
 $6x + 6y - 1z = 79$   
 $2x - 4y + 1z = -3$

3.  $5x + 1y + 5z = 13$   
 $2x - 1y + 6z = 5$   
 $3x + 5y + 2z = 20$

4.  $2x - 6y + 3z = -19$   
 $1x + 6y - 1z = 41$   
 $4x + 2y + 3z = 45$

5.  $2x + 1y + 4z = 29$   
 $1x - 5y - 2z = -25$   
 $6x + 6y + 4z = 78$

6.  $2x + 6y - 1z = 42$   
 $4x + 1y + 2z = 39$   
 $6x - 1y + 6z = 65$

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

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

1.  $6x + 4y + 4z = 80$   
 $6x - 3y - 5z = -9$   
 $4x - 6y + 5z = 24$

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

2.  $6x - 3y + 6z = 60$   
 $6x + 6y - 1z = 79$   
 $2x - 4y + 1z = -3$

$x = 8$   
 $y = 6$   
 $z = 5$

3.  $5x + 1y + 5z = 13$   
 $2x - 1y + 6z = 5$   
 $3x + 5y + 2z = 20$

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

4.  $2x - 6y + 3z = -19$   
 $1x + 6y - 1z = 41$   
 $4x + 2y + 3z = 45$

$x = 4$   
 $y = 7$   
 $z = 5$

5.  $2x + 1y + 4z = 29$   
 $1x - 5y - 2z = -25$   
 $6x + 6y + 4z = 78$

$x = 6$   
 $y = 5$   
 $z = 3$

6.  $2x + 6y - 1z = 42$   
 $4x + 1y + 2z = 39$   
 $6x - 1y + 6z = 65$

$x = 4$   
 $y = 7$   
 $z = 8$