



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

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

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

1.  $5x - 2y - 2z = 11$   
 $3x - 6y - 2z = -15$   
 $4x + 1y - 4z = 12$

2.  $2x + 1y - 1z = 4$   
 $1x - 6y - 5z = -62$   
 $5x - 1y - 1z = 3$

3.  $3x - 4y + 2z = 18$   
 $3x - 4y - 3z = 3$   
 $4x - 3y - 2z = 17$

4.  $2x + 2y - 6z = -22$   
 $2x + 4y - 3z = 6$   
 $2x - 1y + 5z = 29$

5.  $3x - 6y - 2z = -15$   
 $2x - 4y + 5z = 9$   
 $5x - 2y + 2z = 7$

6.  $1x - 6y - 5z = -37$   
 $1x - 5y + 5z = -2$   
 $1x - 2y + 6z = 16$

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

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

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

1.  $5x - 2y - 2z = 11$   
 $3x - 6y - 2z = -15$   
 $4x + 1y - 4z = 12$

$x = 5$   
 $y = 4$   
 $z = 3$

2.  $2x + 1y - 1z = 4$   
 $1x - 6y - 5z = -62$   
 $5x - 1y - 1z = 3$

$x = 3$   
 $y = 5$   
 $z = 7$

3.  $3x - 4y + 2z = 18$   
 $3x - 4y - 3z = 3$   
 $4x - 3y - 2z = 17$

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

4.  $2x + 2y - 6z = -22$   
 $2x + 4y - 3z = 6$   
 $2x - 1y + 5z = 29$

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

5.  $3x - 6y - 2z = -15$   
 $2x - 4y + 5z = 9$   
 $5x - 2y + 2z = 7$

$x = 1$   
 $y = 2$   
 $z = 3$

6.  $1x - 6y - 5z = -37$   
 $1x - 5y + 5z = -2$   
 $1x - 2y + 6z = 16$

$x = 8$   
 $y = 5$   
 $z = 3$