



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

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

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

1.  $3x - 4y - 5z = -7$   
 $6x + 2y - 1z = 34$   
 $2x - 6y - 1z = -10$

2.  $6x - 3y + 4z = 12$   
 $5x - 2y - 6z = -15$   
 $3x + 2y - 4z = 9$

3.  $4x + 5y - 2z = 41$   
 $4x - 3y - 3z = 16$   
 $3x + 1y - 1z = 23$

4.  $6x + 5y - 1z = 26$   
 $5x + 4y - 2z = 14$   
 $1x + 5y - 3z = 4$

5.  $4x + 6y + 5z = 79$   
 $3x - 5y + 4z = 23$   
 $4x + 2y + 2z = 42$

6.  $3x + 1y + 4z = 37$   
 $5x + 5y - 1z = 73$   
 $2x - 1y - 4z = -2$



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

1.  $3x - 4y - 5z = -7$   
 $6x + 2y - 1z = 34$   
 $2x - 6y - 1z = -10$

$x = 5$

$y = 3$

$z = 2$

2.  $6x - 3y + 4z = 12$   
 $5x - 2y - 6z = -15$   
 $3x + 2y - 4z = 9$

$x = 3$

$y = 6$

$z = 3$

3.  $4x + 5y - 2z = 41$   
 $4x - 3y - 3z = 16$   
 $3x + 1y - 1z = 23$

$x = 7$

$y = 3$

$z = 1$

4.  $6x + 5y - 1z = 26$   
 $5x + 4y - 2z = 14$   
 $1x + 5y - 3z = 4$

$x = 2$

$y = 4$

$z = 6$

5.  $4x + 6y + 5z = 79$   
 $3x - 5y + 4z = 23$   
 $4x + 2y + 2z = 42$

$x = 5$

$y = 4$

$z = 7$

6.  $3x + 1y + 4z = 37$   
 $5x + 5y - 1z = 73$   
 $2x - 1y - 4z = -2$

$x = 7$

$y = 8$

$z = 2$