



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

Name: _____

Date: _____ Score: _____

1. $4x - 1y + 3z = 43$
 $1x + 2y + 5z = 56$
 $2x - 6y - 5z = -58$

2. $2x - 2y + 3z = 9$
 $4x + 3y - 4z = 24$
 $3x - 3y + 4z = 11$

3. $6x + 4y + 6z = 88$
 $2x - 6y - 4z = -40$
 $1x - 1y - 4z = -12$

4. $2x - 5y + 3z = 24$
 $4x - 1y + 4z = 54$
 $5x + 3y + 1z = 52$

5. $6x + 1y - 2z = 12$
 $4x + 3y + 3z = 17$
 $2x - 1y + 1z = 3$

6. $4x + 6y - 2z = 46$
 $3x + 1y - 2z = 20$
 $6x + 5y + 6z = 62$



Name: _____

Date: _____ Score: _____

1. $4x - 1y + 3z = 43$
 $1x + 2y + 5z = 56$
 $2x - 6y - 5z = -58$

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

2. $2x - 2y + 3z = 9$
 $4x + 3y - 4z = 24$
 $3x - 3y + 4z = 11$

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

3. $6x + 4y + 6z = 88$
 $2x - 6y - 4z = -40$
 $1x - 1y - 4z = -12$

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

4. $2x - 5y + 3z = 24$
 $4x - 1y + 4z = 54$
 $5x + 3y + 1z = 52$

$x = 8$
 $y = 2$
 $z = 6$

5. $6x + 1y - 2z = 12$
 $4x + 3y + 3z = 17$
 $2x - 1y + 1z = 3$

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

6. $4x + 6y - 2z = 46$
 $3x + 1y - 2z = 20$
 $6x + 5y + 6z = 62$

$x = 6$
 $y = 4$
 $z = 1$