



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

Name: _____

Date: _____ Score: _____

1. $5x - 3y + 2z = 28$
 $6x - 3y + 3z = 39$
 $6x - 3y - 3z = 15$

2. $6x - 6y + 1z = 24$
 $4x + 2y - 6z = -6$
 $3x - 3y + 2z = 21$

3. $3x - 2y - 4z = -5$
 $3x - 1y + 6z = 37$
 $3x - 5y + 6z = 29$

4. $2x - 4y - 1z = -18$
 $1x - 1y - 6z = -26$
 $4x + 3y - 3z = 15$

5. $6x - 1y + 4z = 47$
 $1x - 2y + 2z = 9$
 $6x - 2y + 4z = 44$

6. $6x - 4y - 4z = 32$
 $2x + 2y + 6z = 32$
 $4x - 3y - 6z = 14$

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Name: _____

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1. $5x - 3y + 2z = 28$
 $6x - 3y + 3z = 39$
 $6x - 3y - 3z = 15$

$x = 7$

$y = 5$

$z = 4$

2. $6x - 6y + 1z = 24$
 $4x + 2y - 6z = -6$
 $3x - 3y + 2z = 21$

$x = 6$

$y = 3$

$z = 6$

3. $3x - 2y - 4z = -5$
 $3x - 1y + 6z = 37$
 $3x - 5y + 6z = 29$

$x = 5$

$y = 2$

$z = 4$

4. $2x - 4y - 1z = -18$
 $1x - 1y - 6z = -26$
 $4x + 3y - 3z = 15$

$x = 3$

$y = 5$

$z = 4$

5. $6x - 1y + 4z = 47$
 $1x - 2y + 2z = 9$
 $6x - 2y + 4z = 44$

$x = 5$

$y = 3$

$z = 5$

6. $6x - 4y - 4z = 32$
 $2x + 2y + 6z = 32$
 $4x - 3y - 6z = 14$

$x = 8$

$y = 2$

$z = 2$