



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

Name: _____

Date: _____ Score: _____

1. $2x + 5y + 3z = 22$
 $5x + 3y + 2z = 21$
 $2x - 4y - 4z = -12$

2. $4x - 2y + 3z = 21$
 $3x - 3y + 4z = 10$
 $6x + 4y + 1z = 63$

3. $4x + 6y + 3z = 72$
 $4x + 4y - 4z = 8$
 $6x + 4y + 3z = 76$

4. $2x + 2y + 6z = 26$
 $1x - 4y + 5z = -8$
 $5x - 3y - 4z = -13$

5. $1x + 6y + 5z = 74$
 $5x - 6y - 4z = -63$
 $2x - 2y + 5z = 11$

6. $5x - 6y - 2z = -13$
 $5x - 4y + 6z = 55$
 $5x - 5y - 3z = -19$



Name: _____

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1. $2x + 5y + 3z = 22$
 $5x + 3y + 2z = 21$
 $2x - 4y - 4z = -12$

$x = 2$

$y = 3$

$z = 1$

2. $4x - 2y + 3z = 21$
 $3x - 3y + 4z = 10$
 $6x + 4y + 1z = 63$

$x = 7$

$y = 5$

$z = 1$

3. $4x + 6y + 3z = 72$
 $4x + 4y - 4z = 8$
 $6x + 4y + 3z = 76$

$x = 6$

$y = 4$

$z = 8$

4. $2x + 2y + 6z = 26$
 $1x - 4y + 5z = -8$
 $5x - 3y - 4z = -13$

$x = 2$

$y = 5$

$z = 2$

5. $1x + 6y + 5z = 74$
 $5x - 6y - 4z = -63$
 $2x - 2y + 5z = 11$

$x = 1$

$y = 8$

$z = 5$

6. $5x - 6y - 2z = -13$
 $5x - 4y + 6z = 55$
 $5x - 5y - 3z = -19$

$x = 3$

$y = 2$

$z = 8$