



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

Name: _____

Date: _____ Score: _____

1. $3x - 6y - 6z = -18$
 $3x - 3y - 5z = -6$
 $6x - 2y + 4z = 42$

2. $4x + 2y + 2z = 56$
 $5x + 2y + 6z = 94$
 $1x + 4y + 4z = 70$

3. $4x + 2y - 1z = 16$
 $4x - 3y + 4z = 26$
 $2x - 6y + 6z = 18$

4. $1x + 3y + 6z = 37$
 $3x - 6y + 3z = -39$
 $5x - 1y + 1z = -1$

5. $3x - 1y + 4z = 35$
 $1x + 1y + 3z = 24$
 $6x + 4y + 6z = 78$

6. $1x - 4y - 2z = -26$
 $3x - 5y + 1z = -8$
 $1x + 2y + 3z = 31$



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1. $3x - 6y - 6z = -18$
 $3x - 3y - 5z = -6$
 $6x - 2y + 4z = 42$

$x = 6$
 $y = 3$
 $z = 3$

2. $4x + 2y + 2z = 56$
 $5x + 2y + 6z = 94$
 $1x + 4y + 4z = 70$

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

3. $4x + 2y - 1z = 16$
 $4x - 3y + 4z = 26$
 $2x - 6y + 6z = 18$

$x = 3$
 $y = 6$
 $z = 8$

4. $1x + 3y + 6z = 37$
 $3x - 6y + 3z = -39$
 $5x - 1y + 1z = -1$

$x = 1$
 $y = 8$
 $z = 2$

5. $3x - 1y + 4z = 35$
 $1x + 1y + 3z = 24$
 $6x + 4y + 6z = 78$

$x = 6$
 $y = 3$
 $z = 5$

6. $1x - 4y - 2z = -26$
 $3x - 5y + 1z = -8$
 $1x + 2y + 3z = 31$

$x = 8$
 $y = 7$
 $z = 3$