



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

Name: _____

Date: _____ Score: _____

1. $3x - 6y + 4z = -9$
 $5x - 6y + 5z = -4$
 $5x + 1y - 4z = -3$

2. $1x + 1y - 4z = -23$
 $3x + 2y - 6z = -28$
 $2x + 3y - 1z = 4$

3. $6x - 5y - 6z = -40$
 $5x - 3y - 1z = -16$
 $6x - 1y - 3z = -2$

4. $1x + 6y + 5z = 66$
 $4x - 5y - 6z = -34$
 $4x + 6y - 2z = 38$

5. $1x - 1y + 1z = 7$
 $1x - 5y - 4z = -45$
 $4x - 5y - 2z = -23$

6. $5x + 5y + 2z = 48$
 $4x - 4y + 5z = 20$
 $2x + 3y + 1z = 24$



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

Name: _____

Date: _____ Score: _____

1. $3x - 6y + 4z = -9$
 $5x - 6y + 5z = -4$
 $5x + 1y - 4z = -3$

$x = 1$
 $y = 4$
 $z = 3$

2. $1x + 1y - 4z = -23$
 $3x + 2y - 6z = -28$
 $2x + 3y - 1z = 4$

$x = 4$
 $y = 1$
 $z = 7$

3. $6x - 5y - 6z = -40$
 $5x - 3y - 1z = -16$
 $6x - 1y - 3z = -2$

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

4. $1x + 6y + 5z = 66$
 $4x - 5y - 6z = -34$
 $4x + 6y - 2z = 38$

$x = 7$
 $y = 4$
 $z = 7$

5. $1x - 1y + 1z = 7$
 $1x - 5y - 4z = -45$
 $4x - 5y - 2z = -23$

$x = 2$
 $y = 3$
 $z = 8$

6. $5x + 5y + 2z = 48$
 $4x - 4y + 5z = 20$
 $2x + 3y + 1z = 24$

$x = 4$
 $y = 4$
 $z = 4$