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

Name: _____ Date: _____ Score: _____

1. $6x - 6y + 2z = 14$
$6x + 1y + 2z = 35$
$5x - 1y - 6z = -30$

2. $1x + 1y + 1z = 15$
$1x + 3y + 1z = 25$
$4x + 6y + 1z = 55$

3. $2x - 4y + 4z = 2$
$6x + 3y - 3z = 6$
$6x - 2y - 1z = 0$

4. $4x + 1y - 5z = 25$
$6x - 3y + 6z = 42$
$6x + 2y + 3z = 49$

5. $6x - 2y + 1z = 41$
$6x + 6y + 4z = 118$
$5x + 3y + 1z = 68$

6. $4x + 5y + 2z = 52$
$5x - 1y - 4z = 23$
$4x - 3y - 4z = 8$

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

Name: _____ Date: _____ Score: _____

1. $6x - 6y + 2z = 14$
$6x + 1y + 2z = 35$
$5x - 1y - 6z = -30$

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

2. $1x + 1y + 1z = 15$
$1x + 3y + 1z = 25$
$4x + 6y + 1z = 55$

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

3. $2x - 4y + 4z = 2$
$6x + 3y - 3z = 6$
$6x - 2y - 1z = 0$

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

4. $4x + 1y - 5z = 25$
$6x - 3y + 6z = 42$
$6x + 2y + 3z = 49$

$x = 7$
$y = 2$
$z = 1$

5. $6x - 2y + 1z = 41$
$6x + 6y + 4z = 118$
$5x + 3y + 1z = 68$

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

6. $4x + 5y + 2z = 52$
$5x - 1y - 4z = 23$
$4x - 3y - 4z = 8$

$x = 7$
$y = 4$
$z = 2$