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

Name: _____ Date: _____ Score: _____

1. $1x + 5y - 1z = 21$
$5x + 6y - 3z = 50$
$3x + 2y - 2z = 25$

2. $6x - 5y + 4z = 32$
$3x - 6y - 4z = -40$
$6x - 1y - 1z = 13$

3. $4x - 6y - 4z = -44$
$4x + 2y - 5z = 16$
$3x + 5y + 3z = 67$

4. $3x + 6y - 6z = 0$
$6x + 6y - 1z = 59$
$3x - 4y + 1z = 19$

5. $5x - 1y + 6z = 57$
$1x - 5y + 4z = -11$
$6x - 4y + 3z = 32$

6. $3x + 4y + 6z = 82$
$2x + 5y - 3z = 15$
$2x - 6y - 6z = -86$

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

Name: _____ Date: _____ Score: _____

1. $1x + 5y - 1z = 21$
$5x + 6y - 3z = 50$
$3x + 2y - 2z = 25$

$x = 7$
$y = 3$
$z = 1$

2. $6x - 5y + 4z = 32$
$3x - 6y - 4z = -40$
$6x - 1y - 1z = 13$

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

3. $4x - 6y - 4z = -44$
$4x + 2y - 5z = 16$
$3x + 5y + 3z = 67$

$x = 5$
$y = 8$
$z = 4$

4. $3x + 6y - 6z = 0$
$6x + 6y - 1z = 59$
$3x - 4y + 1z = 19$

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

5. $5x - 1y + 6z = 57$
$1x - 5y + 4z = -11$
$6x - 4y + 3z = 32$

$x = 8$
$y = 7$
$z = 4$

6. $3x + 4y + 6z = 82$
$2x + 5y - 3z = 15$
$2x - 6y - 6z = -86$

$x = 2$
$y = 7$
$z = 8$