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

Name: _____ Date: _____ Score: _____

1. $3x + 1y - 5z = 4$
$6x + 5y + 3z = 49$
$4x - 3y - 6z = -15$

2. $3x - 3y + 5z = 10$
$3x + 5y - 4z = 56$
$4x - 6y + 1z = -14$

3. $5x - 2y - 2z = 24$
$2x - 4y + 1z = 10$
$4x + 3y + 5z = 37$

4. $1x - 3y - 2z = -24$
$1x + 3y - 1z = 14$
$5x + 5y - 6z = 12$

5. $1x - 2y - 3z = -25$
$6x - 6y + 2z = 28$
$1x + 1y + 6z = 56$

6. $1x - 1y - 1z = -3$
$1x + 4y + 1z = 34$
$5x - 6y + 3z = 28$

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

Name: _____ Date: _____ Score: _____

1. $3x + 1y - 5z = 4$
$6x + 5y + 3z = 49$
$4x - 3y - 6z = -15$

$x = 3$
$y = 5$
$z = 2$

2. $3x - 3y + 5z = 10$
$3x + 5y - 4z = 56$
$4x - 6y + 1z = -14$

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

3. $5x - 2y - 2z = 24$
$2x - 4y + 1z = 10$
$4x + 3y + 5z = 37$

$x = 6$
$y = 1$
$z = 2$

4. $1x - 3y - 2z = -24$
$1x + 3y - 1z = 14$
$5x + 5y - 6z = 12$

$x = 7$
$y = 5$
$z = 8$

5. $1x - 2y - 3z = -25$
$6x - 6y + 2z = 28$
$1x + 1y + 6z = 56$

$x = 5$
$y = 3$
$z = 8$

6. $1x - 1y - 1z = -3$
$1x + 4y + 1z = 34$
$5x - 6y + 3z = 28$

$x = 8$
$y = 5$
$z = 6$