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

Name: _____ Date: _____ Score: _____

1. $6x + 2y + 3z = 68$
$2x - 5y + 2z = -13$
$1x + 1y - 6z = -10$

2. $5x - 3y - 3z = 2$
$3x + 4y + 1z = 44$
$3x - 1y - 1z = 10$

3. $5x + 2y - 6z = -11$
$1x + 6y + 6z = 65$
$3x + 2y + 1z = 28$

4. $5x - 4y + 5z = 38$
$6x - 1y - 6z = -20$
$2x - 1y - 4z = -28$

5. $3x - 2y - 6z = -16$
$2x + 2y - 1z = 28$
$3x - 6y - 6z = -48$

6. $4x + 4y - 3z = 25$
$5x + 6y - 6z = 34$
$5x - 1y + 6z = 11$

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

Name: _____ Date: _____ Score: _____

1. $6x + 2y + 3z = 68$
$2x - 5y + 2z = -13$
$1x + 1y - 6z = -10$

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

2. $5x - 3y - 3z = 2$
$3x + 4y + 1z = 44$
$3x - 1y - 1z = 10$

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

3. $5x + 2y - 6z = -11$
$1x + 6y + 6z = 65$
$3x + 2y + 1z = 28$

$x = 5$
$y = 3$
$z = 7$

4. $5x - 4y + 5z = 38$
$6x - 1y - 6z = -20$
$2x - 1y - 4z = -28$

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

5. $3x - 2y - 6z = -16$
$2x + 2y - 1z = 28$
$3x - 6y - 6z = -48$

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

6. $4x + 4y - 3z = 25$
$5x + 6y - 6z = 34$
$5x - 1y + 6z = 11$

$x = 2$
$y = 5$
$z = 1$