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

Name: _____ Date: _____ Score: _____

1. $2x - 4y + 6z = 18$
$1x + 6y - 4z = 6$
$6x + 1y + 3z = 31$

2. $1x + 6y + 3z = 45$
$5x - 4y - 4z = -25$
$2x + 4y + 1z = 28$

3. $2x + 6y + 2z = 64$
$6x + 1y - 4z = 6$
$4x - 5y + 2z = -18$

4. $5x + 5y - 3z = 41$
$5x + 4y + 2z = 54$
$2x - 1y - 1z = 11$

5. $4x + 5y - 2z = 30$
$1x + 2y - 4z = 5$
$4x - 4y - 6z = -32$

6. $6x + 5y - 2z = 62$
$5x + 5y + 5z = 70$
$5x + 5y + 6z = 72$

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

Name: _____ Date: _____ Score: _____

1. $2x - 4y + 6z = 18$
$1x + 6y - 4z = 6$
$6x + 1y + 3z = 31$

$x = 2$
$y = 4$
$z = 5$

2. $1x + 6y + 3z = 45$
$5x - 4y - 4z = -25$
$2x + 4y + 1z = 28$

$x = 3$
$y = 4$
$z = 6$

3. $2x + 6y + 2z = 64$
$6x + 1y - 4z = 6$
$4x - 5y + 2z = -18$

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

4. $5x + 5y - 3z = 41$
$5x + 4y + 2z = 54$
$2x - 1y - 1z = 11$

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

5. $4x + 5y - 2z = 30$
$1x + 2y - 4z = 5$
$4x - 4y - 6z = -32$

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

6. $6x + 5y - 2z = 62$
$5x + 5y + 5z = 70$
$5x + 5y + 6z = 72$

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