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

Name: _____ Date: _____ Score: _____

1. $3x + 5y - 3z = 9$
$6x - 1y + 6z = 57$
$4x - 6y - 6z = -38$

2. $2x + 6y + 2z = 54$
$5x + 4y + 1z = 50$
$2x - 3y - 2z = -17$

3. $4x + 5y - 2z = 47$
$1x + 1y + 3z = 31$
$2x + 2y - 2z = 14$

4. $6x + 3y - 6z = 3$
$2x - 1y - 6z = -37$
$6x + 5y - 1z = 48$

5. $3x + 4y + 3z = 52$
$4x + 2y + 2z = 38$
$1x - 4y - 2z = -32$

6. $5x - 4y + 5z = 35$
$6x + 2y - 3z = 40$
$5x - 1y + 6z = 54$

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1. $3x + 5y - 3z = 9$
$6x - 1y + 6z = 57$
$4x - 6y - 6z = -38$

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

2. $2x + 6y + 2z = 54$
$5x + 4y + 1z = 50$
$2x - 3y - 2z = -17$

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

3. $4x + 5y - 2z = 47$
$1x + 1y + 3z = 31$
$2x + 2y - 2z = 14$

$x = 6$
$y = 7$
$z = 6$

4. $6x + 3y - 6z = 3$
$2x - 1y - 6z = -37$
$6x + 5y - 1z = 48$

$x = 5$
$y = 5$
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$4x + 2y + 2z = 38$
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$x = 4$
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6. $5x - 4y + 5z = 35$
$6x + 2y - 3z = 40$
$5x - 1y + 6z = 54$

$x = 7$
$y = 5$
$z = 4$