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

Name: _____ Date: _____ Score: _____

1. $6x - 6y + 3z = -15$
$3x - 6y - 6z = -48$
$1x + 2y + 6z = 32$

2. $5x - 6y - 5z = -53$
$3x + 4y - 2z = 35$
$2x - 6y + 5z = -8$

3. $6x - 6y - 3z = -27$
$6x - 1y - 1z = 13$
$2x - 4y - 5z = -41$

4. $4x + 3y + 1z = 32$
$5x - 4y + 1z = 32$
$1x + 2y + 2z = 11$

5. $6x - 6y + 2z = 16$
$4x - 5y - 6z = -9$
$1x - 1y + 4z = 10$

6. $4x + 2y + 1z = 17$
$2x + 5y - 6z = 9$
$4x + 5y + 5z = 44$

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

Name: _____ Date: _____ Score: _____

1. $6x - 6y + 3z = -15$
$3x - 6y - 6z = -48$
$1x + 2y + 6z = 32$

$x = 2$
$y = 6$
$z = 3$

2. $5x - 6y - 5z = -53$
$3x + 4y - 2z = 35$
$2x - 6y + 5z = -8$

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

3. $6x - 6y - 3z = -27$
$6x - 1y - 1z = 13$
$2x - 4y - 5z = -41$

$x = 4$
$y = 6$
$z = 5$

4. $4x + 3y + 1z = 32$
$5x - 4y + 1z = 32$
$1x + 2y + 2z = 11$

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

5. $6x - 6y + 2z = 16$
$4x - 5y - 6z = -9$
$1x - 1y + 4z = 10$

$x = 7$
$y = 5$
$z = 2$

6. $4x + 2y + 1z = 17$
$2x + 5y - 6z = 9$
$4x + 5y + 5z = 44$

$x = 1$
$y = 5$
$z = 3$