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

Name: _____ Date: _____ Score: _____

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

2. $1x + 4y + 6z = 33$
$6x - 3y + 6z = 3$
$3x - 3y - 1z = -14$

3. $3x + 3y - 3z = 9$
$1x + 1y - 5z = -29$
$3x + 6y - 3z = 24$

4. $5x - 3y - 6z = 16$
$1x - 6y - 1z = -2$
$4x + 4y - 5z = 19$

5. $5x + 6y - 1z = 19$
$6x - 6y + 1z = 14$
$1x + 4y - 1z = 5$

6. $1x - 2y + 5z = 13$
$5x - 5y + 3z = -3$
$4x - 4y - 5z = -32$

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

Name: _____ Date: _____ Score: _____

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

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

2. $1x + 4y + 6z = 33$
$6x - 3y + 6z = 3$
$3x - 3y - 1z = -14$

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

3. $3x + 3y - 3z = 9$
$1x + 1y - 5z = -29$
$3x + 6y - 3z = 24$

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

4. $5x - 3y - 6z = 16$
$1x - 6y - 1z = -2$
$4x + 4y - 5z = 19$

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

5. $5x + 6y - 1z = 19$
$6x - 6y + 1z = 14$
$1x + 4y - 1z = 5$

$x = 3$
$y = 1$
$z = 2$

6. $1x - 2y + 5z = 13$
$5x - 5y + 3z = -3$
$4x - 4y - 5z = -32$

$x = 1$
$y = 4$
$z = 4$