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

Name: _____ Date: _____ Score: _____

1. $3x - 6y - 2z = -5$
   $3x - 5y + 3z = 4$
   $6x + 4y + 3z = 61$

2. $6x - 1y - 3z = 15$
   $1x + 1y + 3z = 27$
   $5x + 6y - 3z = 30$

3. $2x - 6y + 3z = 20$
   $2x + 6y + 3z = 32$
   $2x + 2y + 5z = 40$

4. $5x + 1y + 5z = 63$
   $2x - 6y + 1z = 1$
   $1x + 4y + 1z = 24$

5. $1x + 1y - 3z = -2$
   $1x + 3y - 3z = 12$
   $5x + 1y + 1z = 42$

6. $2x - 6y - 2z = -16$
   $6x - 5y - 2z = 19$
   $3x + 6y + 4z = 70$

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1. $3x - 6y - 2z = -5$
$3x - 5y + 3z = 4$
$6x + 4y + 3z = 61$

$x = 7$
$y = 4$
$z = 1$

2. $6x - 1y - 3z = 15$
$1x + 1y + 3z = 27$
$5x + 6y - 3z = 30$

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

3. $2x - 6y + 3z = 20$
$2x + 6y + 3z = 32$
$2x + 2y + 5z = 40$

$x = 4$
$y = 1$
$z = 6$

4. $5x + 1y + 5z = 63$
$2x - 6y + 1z = 1$
$1x + 4y + 1z = 24$

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

5. $1x + 1y - 3z = -2$
$1x + 3y - 3z = 12$
$5x + 1y + 1z = 42$

$x = 6$
$y = 7$
$z = 5$

6. $2x - 6y - 2z = -16$
$6x - 5y - 2z = 19$
$3x + 6y + 4z = 70$

$x = 8$
$y = 3$
$z = 7$