



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

Name: _____

Date: _____ Score: _____

1. $6x - 6y - 3z = -18$
 $4x - 3y - 5z = -30$
 $4x + 5y - 5z = 18$

2. $6x - 1y + 1z = 25$
 $6x - 3y + 3z = 27$
 $1x - 4y - 6z = -72$

3. $6x - 1y + 2z = 11$
 $6x - 5y + 5z = 16$
 $5x - 4y + 3z = 10$

4. $6x - 2y + 1z = 46$
 $5x + 1y - 4z = 20$
 $3x - 5y - 5z = -26$

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

6. $1x - 1y - 6z = -20$
 $3x + 2y + 2z = 40$
 $1x + 1y + 2z = 20$

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

Name: _____

Date: _____ Score: _____

1. $6x - 6y - 3z = -18$
 $4x - 3y - 5z = -30$
 $4x + 5y - 5z = 18$

$$x = 7$$
$$y = 6$$
$$z = 8$$

2. $6x - 1y + 1z = 25$
 $6x - 3y + 3z = 27$
 $1x - 4y - 6z = -72$

$$x = 4$$
$$y = 7$$
$$z = 8$$

3. $6x - 1y + 2z = 11$
 $6x - 5y + 5z = 16$
 $5x - 4y + 3z = 10$

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

4. $6x - 2y + 1z = 46$
 $5x + 1y - 4z = 20$
 $3x - 5y - 5z = -26$

$$x = 8$$
$$y = 4$$
$$z = 6$$

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

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

6. $1x - 1y - 6z = -20$
 $3x + 2y + 2z = 40$
 $1x + 1y + 2z = 20$

$$x = 6$$
$$y = 8$$
$$z = 3$$