

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

Name: _____

Date: _____ Score: _____

1.
$$5x + 6y + 4z = 63$$
$$4x - 5y + 4z = -6$$
$$6x - 5y + 1z = -9$$

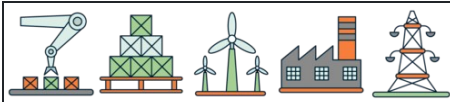
2.
$$3x - 3y - 1z = -9$$
$$5x + 5y - 3z = 11$$
$$1x + 1y + 1z = 7$$

3.
$$4x - 5y + 5z = 33$$
$$2x + 2y + 2z = 44$$
$$2x + 5y - 6z = 1$$

4.
$$6x - 6y + 5z = 2$$
$$3x + 6y - 6z = 39$$
$$1x - 5y - 2z = -43$$

5.
$$1x - 4y - 1z = -28$$
$$1x - 4y - 1z = -28$$
$$6x + 3y + 2z = 77$$

6.
$$5x - 2y + 5z = 6$$
$$5x - 4y + 6z = -7$$
$$6x + 2y + 4z = 36$$

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1. $5x + 6y + 4z = 63$
 $4x - 5y + 4z = -6$
 $6x - 5y + 1z = -9$

$x = 3$

$y = 6$

$z = 3$

2. $3x - 3y - 1z = -9$
 $5x + 5y - 3z = 11$
 $1x + 1y + 1z = 7$

$x = 1$

$y = 3$

$z = 3$

3. $4x - 5y + 5z = 33$
 $2x + 2y + 2z = 44$
 $2x + 5y - 6z = 1$

$x = 7$

$y = 7$

$z = 8$

4. $6x - 6y + 5z = 2$
 $3x + 6y - 6z = 39$
 $1x - 5y - 2z = -43$

$x = 5$

$y = 8$

$z = 4$

5. $1x - 4y - 1z = -28$
 $1x - 4y - 1z = -28$
 $6x + 3y + 2z = 77$

$x = 7$

$y = 7$

$z = 7$

6. $5x - 2y + 5z = 6$
 $5x - 4y + 6z = -7$
 $6x + 2y + 4z = 36$

$x = 3$

$y = 7$

$z = 1$