

Name : _____

Systems of Equations - Elimination Method

L2S1

Solve each system of equations using elimination method.

1) $2x - 7y = 0$
 $x - 7y = 4$

2) $5a - 13 = -2b$
 $1 = 2b + 9a$

3) $27 = u + 4v$
 $u + v = 12$

5) $-43 + 6b = 7c$
 $6b + 5c = 31$

7) $3r + 44 = -7s$
 $52 + 5s = 3r$

8) $5y + 6z = 15$
 $-2z + 5y = -1$

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Systems of Equations - Elimination Method

Solve each system of equations using elimination method.

$$\begin{aligned} 1) \quad & 2x - 7y = 0 \\ & x - 7y = 4 \end{aligned}$$

$$\underline{\underline{\left(-4, -\frac{8}{7}\right)}}$$

$$\begin{aligned} 2) \quad & 5a - 13 = -2b \\ & 1 = 2b + 9a \end{aligned}$$

$$\underline{\underline{(-3, 14)}}$$

$$\begin{aligned} 3) \quad & 27 = u + 4v \\ & u + v = 12 \end{aligned}$$

$$\underline{\underline{(7, 5)}}$$

$$\begin{aligned} 5) \quad & -43 + 6b = 7c \\ & 6b + 5c = 31 \end{aligned}$$

$$\underline{\underline{(6, -1)}}$$

$$\begin{aligned} 7) \quad & 3r + 44 = -7s \\ & 52 + 5s = 3r \end{aligned}$$

$$\underline{\underline{(4, -8)}}$$

$$\begin{aligned} 8) \quad & 5y + 6z = 15 \\ & -2z + 5y = -1 \end{aligned}$$

$$\underline{\underline{\left(\frac{3}{5}, 2\right)}}$$

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