

Name : _____

Systems of Equations - Elimination Method

L1S2

Solve each system of equations using elimination method.

1) $4a + 7b = 37$
 $4a - 5b = -23$

2) $2r + 3s = 19$
 $6r - 3s = -3$

3) $m + n = 9$
 $m - n = 21$

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5) $-6p - 3q = 15$
 $-6p - 2q = 18$

7) $3x - 8y = -33$
 $9x + 8y = 29$

8) $7u + 3v = -48$
 $7u - 5v = -32$

Systems of Equations - Elimination Method

Solve each system of equations using elimination method.

$$\begin{aligned} 1) \quad & 4a + 7b = 37 \\ & 4a - 5b = -23 \end{aligned}$$

$$\underline{\left(\frac{1}{2}, 5\right)}$$

$$\begin{aligned} 2) \quad & 2r + 3s = 19 \\ & 6r - 3s = -3 \end{aligned}$$

$$\underline{(2, 5)}$$

$$\begin{aligned} 3) \quad & m + n = 9 \\ & m - n = 21 \end{aligned}$$

$$\underline{(15, -6)}$$

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$$\begin{aligned} 5) \quad & -6p - 3q = 15 \\ & -6p - 2q = 18 \end{aligned}$$

$$\underline{(-4, 3)}$$

$$\begin{aligned} 7) \quad & 3x - 8y = -33 \\ & 9x + 8y = 29 \end{aligned}$$

$$\underline{\left(-\frac{1}{3}, 4\right)}$$

$$\begin{aligned} 8) \quad & 7u + 3v = -48 \\ & 7u - 5v = -32 \end{aligned}$$

$$\underline{(-6, -2)}$$