

Name : _____

Systems of Equations

Sheet 1

Use the best method to solve each system of equations.

1) $2a + b - 20 = 0$
 $6a - 5b = 12$

2) $x = 9 + 3y$
 $-9y = 31 - 5x$

3) $8t + u = -41$
 $7t + 14 = -4u$

5) $6n = -3m + 8$
 $5n = -2m + 10$

7) $8r - 7s = 13$
 $-2s = -4 - r$

8) $4u + 5v - 35 = 0$
 $4u + v - 15 = 0$

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Systems of Equations

Use the best method to solve each system of equations.

$$\begin{aligned} 1) \quad & 2a + b - 20 = 0 \\ & 6a - 5b = 12 \end{aligned}$$

$(7, 6)$

$$\begin{aligned} 2) \quad & x = 9 + 3y \\ & -9y = 31 - 5x \end{aligned}$$

$(2, -\frac{7}{3})$

$$\begin{aligned} 3) \quad & 8t + u = -41 \\ & 7t + 14 = -4u \end{aligned}$$

$(-6, 7)$

$$\begin{aligned} 5) \quad & 6n = -3m + 8 \\ & 5n = -2m + 10 \end{aligned}$$

$(-\frac{20}{3}, \frac{14}{3})$

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$$\begin{aligned} 7) \quad & 8r - 7s = 13 \\ & -2s = -4 - r \end{aligned}$$

$(6, 5)$

$$\begin{aligned} 8) \quad & 4u + 5v - 35 = 0 \\ & 4u + v - 15 = 0 \end{aligned}$$

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