

Name : _____

Systems of Equations

Sheet 2

Use the best method to solve each system of equations.

1) $-4n = -9m + 8$
 $5n = -8m - 10$

2) $-58 = 6p - q$
 $-7p = -q + 67$

3) $8r - 2s = 11$
 $3s = 1 + 2r$

5) $7a + 8b = 31$
 $9a - 8b = 33$

7) $3t - 5u = 15$
 $-4t + 7u = -19$

8) $5d + 5c = 3$
 $-7d + 10c = -11$

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Systems of Equations

Use the best method to solve each system of equations.

$$\begin{aligned} 1) \quad & -4n = -9m + 8 \\ & 5n = -8m - 10 \end{aligned}$$

$(0, -2)$

$$\begin{aligned} 2) \quad & -58 = 6p - q \\ & -7p = -q + 67 \end{aligned}$$

$(-9, 4)$

$$\begin{aligned} 3) \quad & 8r - 2s = 11 \\ & 3s = 1 + 2r \end{aligned}$$

$(\frac{7}{4}, \frac{3}{2})$

$$\begin{aligned} 5) \quad & 7a + 8b = 31 \\ & 9a - 8b = 33 \end{aligned}$$

$(4, \frac{3}{8})$

$$\begin{aligned} 7) \quad & 3t - 5u = 15 \\ & -4t + 7u = -19 \end{aligned}$$

$(10, 3)$

$$\begin{aligned} 8) \quad & 5d + 5c = 3 \\ & -7d + 10c = -11 \end{aligned}$$

$(-\frac{2}{5}, 1)$

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