

Name : _____

Systems of Equations

Sheet 3

Use the best method to solve each system of equations.

1) $-13 = p + 3q$
 $4p = 9q - 10$

2) $n = 4m + 5$
 $4n = 9m + 27$

3) $3u + 8v - 49 = 0$
 $-2u - v - 2 = 0$

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5) $2y = 1 - 3x$
 $x = -17 - 5y$

7) $-5d + 4c = -27$
 $-7d + 2c = -36$

8) $-3u + 54 = 6t$
 $-2u + 60 = 7t$

Systems of Equations

Use the best method to solve each system of equations.

$$\begin{aligned} 1) \quad & -13 = p + 3q \\ & 4p = 9q - 10 \end{aligned}$$

(-7, -2)

$$\begin{aligned} 2) \quad & n = 4m + 5 \\ & 4n = 9m + 27 \end{aligned}$$

(1, 9)

$$\begin{aligned} 3) \quad & 3u + 8v - 49 = 0 \\ & -2u - v - 2 = 0 \end{aligned}$$

(-5, 8)

$$\begin{aligned} 5) \quad & 2y = 1 - 3x \\ & x = -17 - 5y \end{aligned}$$

(3, -4)

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$$\begin{aligned} 7) \quad & -5d + 4c = -27 \\ & -7d + 2c = -36 \end{aligned}$$

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

$$\begin{aligned} 8) \quad & -3u + 54 = 6t \\ & -2u + 60 = 7t \end{aligned}$$

(8, 2)