

Systems of Equations - Elimination No Multiplication

Date _____ Period _____

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Solve each system by elimination.

1)
$$\begin{aligned} -2x - 8y &= 10 \\ 2x - 6y &= 18 \end{aligned}$$

 $(3, -2)$

2)
$$\begin{aligned} -5x - 4y &= -15 \\ -x + 4y &= -3 \end{aligned}$$

 $(3, 0)$

3)
$$\begin{aligned} -2x + 9y &= -4 \\ 2x + 3y &= -20 \end{aligned}$$

 $(-7, -2)$

4)
$$\begin{aligned} 3x + 2y &= -12 \\ 4x - 2y &= -2 \end{aligned}$$

 $(-2, -3)$

5)
$$\begin{aligned} 2x + 5y &= 0 \\ x + 5y &= -10 \end{aligned}$$

 $(10, -4)$

6)
$$\begin{aligned} 7x + 8y &= 20 \\ 7x - y &= 29 \end{aligned}$$

 $(4, -1)$

7)
$$\begin{aligned} -4x + y &= 9 \\ -4x + 9y &= 17 \end{aligned}$$

 $(-2, 1)$

8)
$$\begin{aligned} -3x - y &= 8 \\ -8x - y &= 23 \end{aligned}$$

 $(-3, 1)$

9)
$$\begin{aligned} -5x - 4y &= -11 \\ -4x + 4y &= 20 \end{aligned}$$

 $(-1, 4)$

10)
$$\begin{aligned} -6x - y &= -1 \\ 6x + 6y &= -24 \end{aligned}$$

 $(1, -5)$

$$\begin{aligned} 11) \quad & 5x + 5y = 5 \\ & -8x - 5y = -11 \end{aligned}$$

$$(2, -1)$$

$$\begin{aligned} 12) \quad & 4x + 5y = -10 \\ & -4x - 3y = 14 \end{aligned}$$

$$(-5, 2)$$

$$\begin{aligned} 13) \quad & -10x - 8y = 30 \\ & -10x + 5y = 30 \end{aligned}$$

$$(-3, 0)$$

$$\begin{aligned} 14) \quad & -9x + 2y = -24 \\ & -x + 2y = 8 \end{aligned}$$

$$(4, 6)$$

$$\begin{aligned} 15) \quad & 3x - 2y = -6 \\ & x - 2y = -10 \end{aligned}$$

$$(2, 6)$$

$$\begin{aligned} 16) \quad & 7x - 9y = 5 \\ & -4x - 9y = -17 \end{aligned}$$

$$(2, 1)$$

$$\begin{aligned} 17) \quad & 3x + 9 = -3y \\ & 3y = -5x - 11 \end{aligned}$$

$$(-1, -2)$$

$$\begin{aligned} 18) \quad & -5x = -y + 12 \\ & 0 = 3y - 24 - 3x \end{aligned}$$

$$(-1, 7)$$

$$\begin{aligned} 19) \quad & -3y - 8 = -x \\ & -7y = -2x + 18 \end{aligned}$$

$$(2, -2)$$

$$\begin{aligned} 20) \quad & -y + 4x = 1 \\ & 3x = y \end{aligned}$$

$$(1, 3)$$