

Assignment

Date _____ Period _____

Solve each system by elimination.

$$\begin{aligned} 1) \quad 8x - 2y &= -24 \\ -8x + 3y &= 20 \end{aligned}$$

$$\begin{aligned} 2) \quad -4x - 5y &= -3 \\ 4x - 9y &= 17 \end{aligned}$$

$$\begin{aligned} 3) \quad 3x - 10y &= 0 \\ 3x - 4y &= 0 \end{aligned}$$

$$\begin{aligned} 4) \quad -4x - 7y &= -23 \\ -6x - 7y &= -3 \end{aligned}$$

$$\begin{aligned} 5) \quad 4x + 9y &= 10 \\ 4x - 4y &= -16 \end{aligned}$$

$$\begin{aligned} 6) \quad 7x - 9y &= -7 \\ 6x - 9y &= -6 \end{aligned}$$

$$\begin{aligned} 7) \quad -3x - y &= -15 \\ 3x + 2y &= 18 \end{aligned}$$

$$\begin{aligned} 8) \quad 4x + 2y &= 12 \\ -4x - 2y &= -12 \end{aligned}$$

$$\begin{aligned} 9) \quad 8x + 4y &= 20 \\ 5x - 4y &= 19 \end{aligned}$$

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

Assignment

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Solve each system by elimination.

1) $8x - 2y = -24$
 $-8x + 3y = 20$

 $(-4, -4)$

2) $-4x - 5y = -3$
 $4x - 9y = 17$

 $(2, -1)$

3) $3x - 10y = 0$
 $3x - 4y = 0$

 $(0, 0)$

4) $-4x - 7y = -23$
 $-6x - 7y = -3$

 $(-10, 9)$

5) $4x + 9y = 10$
 $4x - 4y = -16$

 $(-2, 2)$

6) $7x - 9y = -7$
 $6x - 9y = -6$

 $(-1, 0)$

7) $-3x - y = -15$
 $3x + 2y = 18$

 $(4, 3)$

8) $4x + 2y = 12$
 $-4x - 2y = -12$

Infinite number of solutions

9) $8x + 4y = 20$
 $5x - 4y = 19$

 $(3, -1)$

10) $-2x + 2y = -2$
 $-2x + y = -3$

 $(2, 1)$