

Solving Systems of Equations by Elimination Practice Problems

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Solve each system by elimination.

$$\begin{aligned} 1) \quad -3x + 5y &= -17 \\ \quad 5x - 5y &= 15 \end{aligned}$$

$$\begin{aligned} 2) \quad -x + 4y &= 10 \\ \quad x - 3y &= -7 \end{aligned}$$

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

$$\begin{aligned} 4) \quad 5x + 3y &= -18 \\ \quad 5x + y &= -6 \end{aligned}$$

$$\begin{aligned} 5) \quad -4x - 3y &= 2 \\ \quad -4x + y &= -6 \end{aligned}$$

$$\begin{aligned} 6) \quad 4x - 5y &= -2 \\ \quad -2x - 5y &= -14 \end{aligned}$$

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

$$\begin{aligned} 8) \quad -2x - 4y &= 4 \\ \quad 6x + 5y &= -12 \end{aligned}$$

$$\begin{aligned} 9) \quad 2x - 6y &= 12 \\ \quad -8x - 4y &= 8 \end{aligned}$$

$$\begin{aligned} 10) \quad -3x - 2y &= -3 \\ \quad -9x + 3y &= 18 \end{aligned}$$

Answers to

1) $(-1, -4)$

5) $(1, -2)$

9) $(0, -2)$

2) $(2, 3)$

6) $(2, 2)$

10) $(-1, 3)$

3) $(-1, 0)$

7) $(0, -1)$

4) $(0, -6)$

8) $(-2, 0)$