

Name _____
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Date _____
Algebra II

Solving Linear Systems in Two Variables

Solve the following systems of equations algebraically for x and y

1.
$$\begin{aligned} 2x + 4y &= -4 \\ 3x - 2y &= -14 \end{aligned}$$

2.
$$\begin{aligned} 5x - y &= -17 \\ 2x - 3y &= -12 \end{aligned}$$

3.
$$\begin{aligned} 4x + y &= 10 \\ -3x - 2y &= 0 \end{aligned}$$

4.
$$\begin{aligned} 5x + 5y &= 15 \\ -2x + 3y &= -21 \end{aligned}$$

5.
$$\begin{aligned} 7x + 2y &= -1 \\ x - y &= 5 \end{aligned}$$

6.
$$\begin{aligned} -3x - 2y &= 12 \\ 5x + y &= -13 \end{aligned}$$