

5.3B Solving Systems by Substitution

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Name _____

Due Date _____ Period _____

Solve each system by substitution.

1) $-2x - y = -14$
 $x + 3y = 12$

2) $4x + y = -4$
 $-2x + 4y = -16$

3) $-5x - 5y = -5$
 $x + 2y = 0$

4) $x - 7y = -11$
 $-8x + 5y = -14$

$$\begin{aligned} 5) \quad & 2x + 6y = 0 \\ & x + 8y = 10 \end{aligned}$$

$$\begin{aligned} 6) \quad & -x + 2y = -14 \\ & x - y = 7 \end{aligned}$$

$$\begin{aligned} 7) \quad & x - 3y = -1 \\ & -2x + 5y = 0 \end{aligned}$$

$$\begin{aligned} 8) \quad & 8x + 2y = -16 \\ & -4x + y = 8 \end{aligned}$$

$$\begin{aligned} 9) \quad & y = -3x + 16 \\ & y = x \end{aligned}$$

$$\begin{aligned} 10) \quad & y = -5x - 19 \\ & y = 3x + 21 \end{aligned}$$