

Solving Systems by Substitution Practice

© 2012 Kuta Software LLC. All rights reserved.

Date_____ Period____

Solve each system by substitution.

1)
$$\begin{aligned}y &= 5x + 13 \\y &= -2x + 6\end{aligned}$$

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

3)
$$\begin{aligned}y &= -2x - 8 \\y &= 6x\end{aligned}$$

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

5)
$$\begin{aligned}y &= 3x + 17 \\-2x - 2y &= 22\end{aligned}$$

6)
$$\begin{aligned}-2x + 5y &= -7 \\y &= -6x + 5\end{aligned}$$

7)
$$\begin{aligned}4x - 4y &= 12 \\x - 6y &= -7\end{aligned}$$

8)
$$\begin{aligned}-3x - 3y &= 6 \\8x + y &= -23\end{aligned}$$

$$9) \begin{aligned} 4x + 4y &= 4 \\ y &= 8 \end{aligned}$$

$$10) \begin{aligned} -5x - 6y &= -6 \\ 4x - 8y &= -8 \end{aligned}$$

$$11) \begin{aligned} y &= -5x - 3 \\ -3x - 3y &= -15 \end{aligned}$$

$$12) \begin{aligned} -2x + 3y &= -5 \\ y &= 2x + 9 \end{aligned}$$

$$13) \begin{aligned} 4x + y &= 23 \\ 2x + 5y &= 7 \end{aligned}$$

$$14) \begin{aligned} 4x + 4y &= -24 \\ x - y &= -4 \end{aligned}$$

$$15) \begin{aligned} y &= -5x + 13 \\ y &= -3x + 11 \end{aligned}$$

$$16) \begin{aligned} y &= -4x + 3 \\ y &= 2x + 9 \end{aligned}$$

Solving Systems by Substitution Practice

© 2012 Kuta Software LLC. All rights reserved.

Date_____ Period____

Solve each system by substitution.

1)
$$\begin{aligned}y &= 5x + 13 \\y &= -2x + 6\end{aligned}$$

$$(-1, 8)$$

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

$$(-1, -8)$$

3)
$$\begin{aligned}y &= -2x - 8 \\y &= 6x\end{aligned}$$

$$(-1, -6)$$

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

$$(1, 0)$$

5)
$$\begin{aligned}y &= 3x + 17 \\-2x - 2y &= 22\end{aligned}$$

$$(-7, -4)$$

6)
$$\begin{aligned}-2x + 5y &= -7 \\y &= -6x + 5\end{aligned}$$

$$(1, -1)$$

7)
$$\begin{aligned}4x - 4y &= 12 \\x - 6y &= -7\end{aligned}$$

$$(5, 2)$$

8)
$$\begin{aligned}-3x - 3y &= 6 \\8x + y &= -23\end{aligned}$$

$$(-3, 1)$$

$$9) \begin{aligned} 4x + 4y &= 4 \\ y &= 8 \end{aligned}$$

$$(-7, 8)$$

$$10) \begin{aligned} -5x - 6y &= -6 \\ 4x - 8y &= -8 \end{aligned}$$

$$(0, 1)$$

$$11) \begin{aligned} y &= -5x - 3 \\ -3x - 3y &= -15 \end{aligned}$$

$$(-2, 7)$$

$$12) \begin{aligned} -2x + 3y &= -5 \\ y &= 2x + 9 \end{aligned}$$

$$(-8, -7)$$

$$13) \begin{aligned} 4x + y &= 23 \\ 2x + 5y &= 7 \end{aligned}$$

$$(6, -1)$$

$$14) \begin{aligned} 4x + 4y &= -24 \\ x - y &= -4 \end{aligned}$$

$$(-5, -1)$$

$$15) \begin{aligned} y &= -5x + 13 \\ y &= -3x + 11 \end{aligned}$$

$$(1, 8)$$

$$16) \begin{aligned} y &= -4x + 3 \\ y &= 2x + 9 \end{aligned}$$

$$(-1, 7)$$