

Solving Systems by Substitution Assignment #1

Date _____ Hour _____

Solve each system by substitution.

1) $y = -5x - 11$
 $3x + 7y = -13$

2) $y = -3x - 1$
 $9x + 3y = -6$

3) $y = 7x + 18$
 $y = 8x + 20$

4) $x - 4y = -24$
 $2x = 8y - 48$

$$\begin{aligned} 5) \quad x + 7y &= 24 \\ -5x - 7y &= -8 \end{aligned}$$

$$\begin{aligned} 6) \quad 8x - 6y &= -16 \\ -4x + y &= 8 \end{aligned}$$

$$\begin{aligned} 7) \quad -4x - 5y &= -9 \\ -x - 3y &= 3 \end{aligned}$$

$$\begin{aligned} 8) \quad 2x - 4y &= -8 \\ -3x + 8y &= 22 \end{aligned}$$