Assignment 6.3_**1**	**Period (circle one)**: 5 7	**Date**:	**Name**:

Write a system of equations to represent each problem situation. Solve the system of equations using the linear combinations method.

Nancy and Warren are making large pots of chicken noodle soup. Nancy opens 4 large cans and 6 small cans of soup and pours them into her pot. Her pot contains 115 ounces of soup. Warren opens 3 large cans and 5 small cans of soup. His pot contains 91 ounces of soup. How many ounces of soup does each large can and each small can contain?

Solve each linear system using linear combinations. Check all solutions.

$$\begin{cases} \frac{1}{2}x + \frac{1}{3}y = 3 \\ 3x + 5y = 36 \end{cases}$$

$$\begin{cases} 0.6x + 0.2y = 2.2 \\ 0.5x - 0.2y = 1.1 \end{cases}$$