Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_

# WS 6-3 (section 7.3)

# Solving Linear Systems by Elimination

1. What does it mean to solve a system of linear equations?
2. Equation 1: 4x + 3y = 16 Equation 2: 2x – 3y = 8

The equations are already arranged

The coefficients for y are already opposites

Add the equations to get an equation in one variable

Substitute 4 for x in the first equation and solve for y

Use the elimination method to solve the system of equations

1. 3x + y = 3

7x + 2y = 1

1. 2x – y = -1

2x + y = -7

1. 3x – y = 0

5y = 15

1. 2x + y = 4

-x + y = 1

1. y = 1 – x

2x – y = 2

1. –x + 4y = 10

-3y = 11 – x

1. 3x + 2 = 8

2y = 12 – 5x