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

# WS 6-2 (section 7.2)

# Solving Linear Systems by Substitution

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

Solve for y in Equation 1.

Substitute x + 1 for y in Equation 2 and solve for x.

To find the value of y, substitute -1 in for x in the revised Equation 1.

Check to see if your answer is a solution.

Use the substitution 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. x + y = 1

2x – y = 2

1. –x + 4y = 10

x – 3y = 11