

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

**Unit 4 Day 4 - Solving Systems of Equations using Addition Classwork**

1. Will bought 4 packages of candy bars and 2 packages of cookies for \$20.00. Tania bought 5 packages of candy bars and 2 packages of cookies for \$23.00. How much does one package of candy bars cost and how much does one package of cookies cost?

*Write a pair of equations for the situation and explain how you got your answer.*

2. Jennie bought 4 pens and 3 pencils for \$3.75. Bill bought 4 pens and 6 pencils for \$4.50. How much does a pencil cost and how much does a pen cost?

*Write a pair of equations for the situation and explain how you got your answer.*

Solve these problems using the methods from problems 1 and 2.

3.  $3x + 2y = -19$   
 $-3x - 5y = 25$

4.  $2x - 5y = -28$   
 $4x + 5y = 4$

5.  $6x - 2y = 32$   
 $4x - 2y = 18$

6.  $7x + 4y = 2$   
 $7x + 2y = 8$