6.1 Solving Systems of Equations Word Problems

Step 1: Define the two \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Step 2: Write two linear \_\_\_\_\_\_\_\_\_\_\_\_\_\_ based on the \_\_\_\_\_\_\_\_\_\_\_ in the problem.

Step 3: \_\_\_\_\_\_\_\_\_\_\_\_\_ this system of linear equations.

Step 4: Write answer in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ sentence.

Example 1: Taco Loco offers a breakfast special, called Uno-Uno, of one potato and egg taco with one regular size orange juice drink for $3.00. Another breakfast special, called Tres-Dos, of three potato and egg tacos and two regular size orange juice drinks for $8.00. Based on this information, what is the cost of an individual potato and egg taco?

Step 1: Define the two variables:

Step 2: Write two linear equations based on the information in the problem.

Step 3: Solve this system of linear equations.

Step 4: Write answer in a complete sentence.