**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**M8-U5: Notes #6 - Solving by Elimination (Day 2) Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Examples:**

**1.**  **2.** 

**Try It!**

**a.  b.** 

**Examples:**

**3.** The sum of two numbers is 18. The sum of the greater number and twice the smaller number is 25. Find the numbers.

**4.** Suppose a band at another school sells erasers for $2 per package and pencils for $5 per package. The band sells 220 packages in all and earns a total of $695. Write a system of equations to find the number of each type of package sold.

**Try It!**

**a.** Grandma’s Bakery sells single crust apple pies for $6.99 and double crust cherry pies for $10.99. The total number of pies sold on a busy Friday was thirty-six. If the amount collected for all the pies that day was $331.64, how many of each type of pies was sold?

**b.** A promoter priced tickets to a concert as follows: $17 when purchased in advance and $20 when purchased at the door. The total number of tickets purchased was 514, and ticket sales totaled $9,158. How many tickets were sold at the door?