**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ December 18, 2017**

**Kobrin/Losquadro Math 8**

**Systems of Equations Word Problems – Solving Algebraically**

1. The owner of a men's clothing store bought six belts and eight hats for $140. A week later, at the same prices, he bought nine belts and six hats for $132. Find the price of a belt and the price of a hat.
2. There were 100 tickets sold to last night's concert. Some of the tickets were sold to students at $2 and the rest were sold to adults at $2.50. The booster club collected $220 in ticket sales. How many of each type of ticket were sold?
3. A baseball manager bought 4 bats and 9 baseballs for $76.50. On another day, she bought 3 bats and 1 dozen baseballs at the same prices for $81.00. How much did she pay for each bat and each baseball?
4. The cost of 3 pizzas and 4 sandwiches at Ralph’s Deli is $68. The cost of 3 pizzas and 7 sandwiches is $92. What is the cost of one pizza and one sandwich?
5. The talent show committee sold a total of 530 tickets in advance. Student tickets cost $3 each and the adult tickets cost $4 each. If the total receipts were $1740, how many of each type of ticket were sold?
6. Dana paid $3.30 for 2 muffins and a cup of coffee. At the same prices, Damion paid $5.35 for 3 muffins and 2 cups of coffee. What is the cost of a muffin and a cup of coffee?
7. The cost of 3 tacos and 1 juice is $7. The cost of 4 tacos and 2 juices is $10. Find the cost of 1 taco and 1 juice.