

Name:

Date:

Period:

Solve the systems of equations on a separate piece of paper. Don't forget:

A: **LET** Statements

B: **EQUATIONS**

C: To **SOLVE** your Equations

D: To **CHECK** your answers in EACH equation

E: Your **STATEMENT** answering the question being asked

-
1. At a quick lunch counter, 3 pretzels, and 1 cup of soda cost \$2.75. Two pretzels and 1 cup of soda cost \$2.00. Find the cost of a pretzel and the cost of a cup of soda.
 2. Mrs. Black bought 2 pounds of veal and 3 pounds of pork for which she paid \$20.00. Mr. Cook paying the same prices, paid \$11.25 for 1 pound of veal and 2 pounds of pork. Find the price of a pound of veal and the price of a pound of pork.
 3. The sum of two numbers is 136. Their difference is 24. Find the numbers.
 4. The sum of two numbers is 77. The larger number is 3 more than the smaller number. Find the numbers.
 5. The owner of a men's clothing store bought 6 belts and 8 hats for \$140. A week later, at the same prices, he bought 9 belts and 6 hats for \$132. Find the price of a belt and price of a hat.
 6. The owner of a movie theater was counting the money from 1 day's ticket sales. He knew that a total of 150 tickets were sold. Adult tickets cost \$7.50 each and children's tickets cost \$4.75 each. If the total receipts for the day were \$891.25, how many of each kind of ticket were sold?
 7. There were 100 more balcony tickets than main-floor tickets sold for a concert. The balcony tickets sold for \$4 and the main-floor tickets sold for \$12. The total amount of sales for both types of tickets was \$3056. Find the number of balcony tickets that were sold.
 8. All 231 students enrolled in algebra went on a field trip. Some students rode in vans which hold 7 students each and some students rode in buses which hold 25 students each. How many of each type of vehicle did they use if there were 15 vehicles total?
 9. An investor buys a total of 360 shares of two stocks. The price of one stock is \$35 per share, while the price of the other stock is \$45 per share. The investor spends a total of \$15,000. How many shares of each stock did the investor buy?