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

LET Statements
EQUATIONS
To SOLVE your Equations
To CHECK your answers in EACH equation
Your STATEMENT answering the question being asked

1. The sum of two numbers is 50 . The first number is 43 less than twice the second number. Write and solve a system of equations to find the two numbers.
2. A jar contains $n$ nickels and $d$ dimes. There are 20 coins in the jar, and the total value of the coins is $\$ 1.40$. How many nickels and how many dimes are in the jar? (Hint: Nickels are worth $\$ 0.05 \&$ dimes are worth $\$ 0.10$ ).
3. At the movies, customer \#3598 bought 3 large popcorn buckets and 2 small drinks for a total of $\$ 21.00$. At the same movie theater, customer \# 3599 bought 2 large popcorn buckets and 4 small drinks for a total of $\$ 22.00$. Write and solve a system of equations to find the cost of a large popcorn bucket and the cost of a small drink.
4. The length of a rectangle is 3 more than its width. The perimeter of the rectangle is 58 cm . Write and solve a system of equations to determine the dimensions of the rectangle.
5. Carla and Benicio work in a men's clothing store. They earn commission from each suit and each pair of shoes they sell. For selling 3 suits and one pair of shoes, Carla has earned $\$ 47$ in commission. For selling 7 suits and 2 pairs of shoes, Benicio has earned $\$ 107$ in commission. How much do the salespeople earn for the sale of a suit and a sale of a pair of shoes?
6. Tickets to a movie cost $\$ 7.25$ for adults and $\$ 5.50$ for students. A group of friends purchased 8 tickets for $\$ 52.75$. Determine the total number of adult and student tickets.
7. You are running a concession stand at a football game selling hot dogs and sodas. Each hot dog costs $\$ 1.50$ and each soda costs $\$ 0.50$. At the end of the night you made a total of $\$ 78.50$. You sold a total of 87 hot dogs and sodas combined. How many hot dogs were sold and how many sodas were sold?
8. A used book store also started selling used CDs and videos. In the first week, the store sold a combination of 40 CDs and videos. They charged $\$ 4$ per CD and $\$ 6$ per video and the total sales were $\$ 180$. Determine the total number of CDs and videos sold.
