

Class Work Programming Logic and Design Chapter 4

For each of the following questions, find the inputs and outputs, create the pseudocode, and desk check.

1. Sam wants a program that calculates and displays the cost of paint jobs. The cost to paint a room is \$150. However, if the customer has more than 5 rooms to paint, the cost is \$120 per room.

2. A company wants a program to allocate bonuses to its employees. The bonuses are allocated based on the table below.

| Bonus Allocation | |
|-----------------------|--------|
| Yearly Sales Amount | Bonus |
| Under \$20,000 | 2,000 |
| 20,000 – 50,000 | 5,000 |
| Over 50,000 to 75,000 | 7,000 |
| Over 75,000 | 10,000 |

3. A box office wants a program to calculate the cost of a ticket for their customers. The regular cost of a ticket is \$10.00. If the customer is 65 years or older or the customer is 12 years or younger, they get \$2.00 off the cost. Military members also get a \$1.00 discount.
4. Write a program that will determine if a number is divisible by two.