C++ Programming Questions

QUESTION #1
Write a C++ program that asks the user to enter their First Name and Last Name. After taking the input, the program should display the message: "Hello Mr. FirstName LastName."

QUESTION #2
Write a C++ program that asks the user to input two numbers. The program should: 1. Calculate the sum of the two numbers
2. Find the square of the sum
3. Display the final result

QUESTION #3
Sara has a cylindrical water tank with a radius of 5 meters and a height of 8 meters. Write a C++ program to calculate and display the volume of the water tank using the formula: $V = \pi \times r^2 \times h$

QUESTION #4
A gadget store is offering a 15% discount on a gadget with an original price of 2000 Rs. Write a C++ program to calculate and print the discounted price of the gadget.

QUESTION #5
An ice cream seller sets up shops in four areas of Karachi: Clifton Corner, Saddar Square, Gulshan Glades, and Korangi Crossing. The price of one ice cream is 150 Rs. The numbers sold are 35, 50, 20, and 45 respectively. Write a C++ program to calculate the total ice creams sold and the total money earned.

QUESTION #6
Write a C++ program that takes the drone position (x1, y1) and obstacle position (x2, y2). Calculate and display the distance between them using the formula: $D = \sqrt{(x2 - x1)^2 + (y2 - y1)^2}$