a. Write a C++ program that computes and outputs the area of a rectangle or a triangle. The Program prompts the user for the figure type ("T" for triangle, or "R" for rectangle), base and height, and then calculates and displays the area of the figure.

Hint: Area of rectangle = base * height, 
      Area of triangle = ½ (base * height)

b. Write a C++ program that reads two integers Num and Max. The output of the program is the multiplication table of Num from 1 to Max. Each output line should be in the following format:

   \textit{Num x i = Num * i}

For example if \textit{Num} = 5 and \textit{Max} = 12

the output will be

   5 x 1 = 5  
   5 x 2 = 10  
   5 x 3 = 15  
   .       
   .       
   .       
   5 x 12 = 60

c. Write a C++ program that computes the sum of all odd integers from 1 to 50.