1. (Problem #73 from midterm practice)
   Write a complete C++ program that does the following:
   (1) The program asks the user to enter a positive integer n.
   (2) Until the user enters a positive integer for n, the program makes the user enter another choice for n.
   (3) The program prints a triangle with n rows, where the rows are formed by using the characters X and O in sequence.
   For example, if the user enters 4 for n the output is as follows:
   X
   OO
   XXX
   0000

2. (Problem #101) Write a complete C++ program that does the following. (Programs that correctly carry out some of the tasks will receive partial credit.)
   (1) The program asks the user to enter a positive integer n.
   (2) If the user enters a non-positive integer for n, the program terminates.
   (3) The program prints a rectangle of * symbols with n rows and twice as many columns as rows.
   For example, if the user enters 4 for n the output is as follows:
   ********
   *******
   *******
   *******