Write a C++ program that includes two user-defined functions. The first function must return the area of a triangle formed by three side lengths provided by the user (assume the lengths provided form a viable triangle). The second function must return the distance between two points in the Cartesian plane. Here the user enters four different values, representing the coordinates of two points in the plane. For example, the user could enter the values -1 3 4 10 to represent the points (-1, 3) and (4, 10).