CS 142 Function Problems

1. Write a function that calculates and returns the distance between two points in the Cartesian plane. The declaration should be
   double distance(int x1, int y1, int x2, int y2)

   For instance, double(1, 2, 3, -4)

   #include <cmath> to use the sqrt() function.

2. Write a function called sumrange that sums up a range of numbers, given an upper and lower bound. The function declaration should be

   int sumrange(int lower, int upper)