1 #include <iostream>

 2 #include <cmath>

 3

 4 **using namespace std**;

 5

 6 **int** main()

 7

 8 {

 9 **double** x1;

10 **double** y1;

11 **double** x2;

12 **double** y2;

13 **double** dist;

14 **double** side1;

15 **double** side2;

16 **cout** << "Enter the values for x1, y1, x2, y2" << **endl**;

17 **cin** >> x1 >> y1 >> x2 >> y2;

18 side1 = x2 - x1;

19 side2 = y2 - y1;

20 dist = sqrt(pow(side1,2) + pow(side2,2));

21 **cout** << "The distance between the two points is " << dist << **endl**;

22

23 **return** 0;

24 }