# Problem B: Console Distance

Something is definitely not right. The other robots in the factory have begun to run amok, upsetting tables and smashing computers. Now that CORA is sure her battery is in good shape, she plans to investigate. She needs to access the computer system in the factory, and that means navigating to the console on the other side of this room.

Help CORA by writing a program that tells how far away she is from the access console. Her position, and that of the console, will be given as $(x, y)$ coordinates. The distance between two points in space is given by the formula:

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

You should output the distance between CORA and the console as a number rounded to 2 decimal places.

## Input

Input consists of 4 lines of input, each containing a positive integer. The first two lines give the $X$ and $Y$ coordinate of CORA (with $X$ being given first), and the second two lines give the $X$ and $Y$ coordinates of the console (again with $X$ being first).

## Output

Output will consist of a single line giving the distance between CORA and the console, rounded to two places to the right of the decimal.

## Sample Input 1

```
5
10
24
50
```

## Sample Output 1

```
44.28
```

## Sample Input 2

```
31
4
6
22
```

## Sample Output 2

```
30.81
```