
Distance between two points

X23724_en

Using the definition

```
class Point:
    """attributes: x, y"""
```

write a function

```
dist(p, q)
```

that returns the Euclidean distance between two points p and q . For example, the distance between the point $(0,0)$ and the point $(30,40)$ is 50.

Input

The input consists of several pairs of points (two non-negative integer numbers each).

Output

For each two points, print their Euclidean distance.

Sample input

```
0 0 30 40
30 40 0 0
10 20 30 40
30 40 10 20
```

Sample output

```
50.0
50.0
28.284271247461902
28.284271247461902
```

Problem information

Author : Gabriel Valiente

Generation : 2019-09-18 11:48:15

© Jutge.org, 2006–2019.

<https://jutge.org>