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## Distance between two points

X23724\_en

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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.

<b>Sample input</b>	<b>Sample output</b>
0 0 30 40 30 40 0 0 10 20 30 40 30 40 10 20	50.0 50.0 28.284271247461902 28.284271247461902

### Problem information

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