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## Distance between two points

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Using the definition

```
struct Point {  
    double x, y;  
};
```

write a function

```
double dist(const Point& a, const Point& b);
```

that returns the euclidean distance between two points  $a$  and  $b$ .

### Observation

You only need to submit the required classes; your main program will be ignored. Strictly obey the type definitions of the statement.

### Problem information

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