Using the definition

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

write a function

```cpp
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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