



✖ Try again once you are ready.

Required to pass: 80% or higher  
You can retake this quiz up to 3 times every 8 hours.

Back to Week 1

Retake



1. What is the perimeter of the shape made from the file **datatest4.txt** whose contents are shown below (just give to two decimal places)?

1 / 1 points

-3, 9

-8, 7

-12, 4

-6, -2

-4, -6

2, -8

6, -5

10, -3

8, 5

4, 8



2. What is the average length of a side in the shape made from the file **datatest1.txt** whose contents are shown below (just give to two decimal places)?

0 / 1 points

-3,3

-4,-3

4,-2

6,5



3. What is the longest side in the shape made from the file **datatest1.txt** whose contents are shown below (just give to two decimal places)?

0 / 1 points

-3,3

-4,-3

4,-2

6,5



4. What is the largest perimeter of a shape made from the shapes in files **example1.txt**, **example2.txt**, **example3.txt** and **example4.txt** (just give to two decimal places)?

1 / 1 points



5. What is the name of the file that has the shape with the largest perimeter from the six files **dataset1.txt**, **dataset2.txt**, **dataset3.txt**, **dataset4.txt**, **dataset5.txt**, and **dataset6.txt**?

1 / 1 points



6. The method `getNumPoints` returns the number of points in a Shape `s`.

Which one of the following is NOT a correct implementation of `getNumPoints`?

1 / 1 points



7. Consider the following code for the function `mysteryShape` that has one parameter a Shape `s` and calls the function `getNumPoints` from the assignment.

1 / 1 points

```
1 public double mysteryShape (Shape s) {
2     double tmp = 0;
3     for (Point p : s.getPoints()) {
4
5         if (p.getX() > 0) {
6
7             if (p.getY() < 0) {
8                 tmp = tmp + 1;
9             }
10        }
11    }
12    return tmp / getNumPoints(s);
13 }
14
15
```

Which one of the following best describes the purpose of this function?