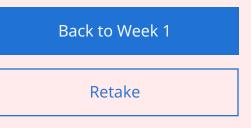
X Try again once you are ready.

Required to pass: 80% or higher

You can retake this quiz up to 3 times every 8 hours.





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)?



- -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)?



- -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)?



- -3,3
- -4,-3
- 4,-2
- 6,5



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)?



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?



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?



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 - public double mysteryShape (Shape s) {
 2
      double tmp = 0;
     for (Point p : s.getPoints()) {
 4
 5 =
       if (p.getX() > 0) {
 6
         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?