



✖ 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 / 1 points

1. For many of the questions in this quiz, you will need to have completed the Calculating the Shape of a Perimeter programming exercise, using the ProgrammingAssignmentRunner BlueJ Project on DukeLearnToProgram.com: <http://www.dukelearntoprogram.com/course2/files.php>.

What is the perimeter of 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



0 / 1 points

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



0 / 1 points

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



1 / 1 points

4. What is the largest perimeter of a shape made from the shapes in files **dataset1.txt, dataset2.txt, dataset3.txt, dataset4.txt, dataset5.txt, and dataset6.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 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?