



Congratulations! You passed!

Next Item



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



1 / 1 points

2. What is the average length of a side in 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



1 / 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 four files **example1.txt, example2.txt, example3.txt and example4.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?