✔   **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

-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)?

1 / 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 **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 / 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?