Quiz, 7 questions

1 point	1.	What is the perimeter of the shape made from the file <b>datatest4.txt</b> 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
		59.45655247480979
1	2.	What is the average length of a side in the shape made from the file <b>datatest4.txt</b> whose
point	۷.	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
		4.599474366075969
1	3.	What is the longest side in the shape made from the file <b>datatest4.txt</b> whose contents
point	-	are shown below (just give to two decimal places)?
		-3, 9
		-8, 7 -2, 4
		-12, 4 -6, -2
		-4, -6
		2, -8
		6, -5
		10, -3
		8, 5
		4, 8
		16.492422502470642
1 point	4.	What is the largest perimeter of a shape made from the shapes in files <b>example1.txt</b> , <b>example3.txt and example4.txt</b> (just give to two decimal places)?
		28.848857801796104
1 point	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?
		example1.txt
		example2.txt
		example3.txt
		example4.txt
4	6.	The method getNumPoints returns the number of points in a Shape s.
point	0.	Which one of the following is NOT a correct implementation of getNumPoints?
		1 - public int getNumPoints (Shape s) {
		<pre>int count = 0; for (Point p : s.getPoints()) {   int newPoint = 1; }</pre>
		<pre>5    count = count + newPoint; 6 }</pre>
		7 return count; 8 }
		1 = public int getNumPoints (Shape s) { 2 int count = 0;
		<pre>3 - for (Point p : s.getPoints()) { 4    count = count + 1;</pre>
		5 } 6 return count; 7 }
		1 - public int getNumPoints (Shape s) {
		<pre>int count = 0; int newPoint = 1; 4 = for (Point p : s.getPoints()) {</pre>
		<pre>5    count = count + newPoint; 6 }</pre>
		7 return count; 8 }
		<pre>public int getNumPoints (Shape s) {    int count = 0;</pre>
		<pre>3 - for (Point p : s.getPoints()) { 4    count = count + count;</pre>
		5 } 6 return count; 7 }
	7	Consider the following code for the function mysteryShape that has one parameter a
1 point	7.	Consider the following code for the function mysteryShape that has one parameter a Shape s and calls the function getNumPoints from the assignment.
		<pre>1 - public double mysteryShape (Shape s) { 2    double tmp = 0; 2</pre>
		<pre>3  for (Point p : s.getPoints()) { 4 5  if (p.getX() &gt; 0) {</pre>
		6 7 <del>-</del> 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?
		The function computes the <b>percentage</b> of those points from the Shape s that
		have a <b>positive X</b> or a <b>negative Y</b> .
		The function computes the <b>sum</b> of those points from the Shape s that have a <b>positive X</b> or a <b>negative Y</b> .
		The function computes the <b>percentage</b> of those points from the Shape s that
		have a <b>positive X</b> and a <b>negative Y</b> .
		The function computes the <b>sum</b> of those points from the Shape s that have a <b>positive X</b> and a <b>negative</b> Y.
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