Question:	1	2	3	4	5	6	7	Total
Points:	5	5	5	5	10	10	10	50
Score:								

Question 1
Complete the following method, which returns true if and only if all elements of the specified array are non-negative (that is, greater than or equal to zero).
<pre>public static boolean nonNegative(float[] a) {</pre>
}
Question 2
<pre>public static float[] reverse(float[] a) {</pre>
}
Question 3
<pre>double d00 = 0.0/0.0; System.out.println("d00 = "+d00); int i00 = 0/0; System.out.println("i00 = "+i00);</pre>

```
Complete the following method, which returns a new 2D array containing the
  squares of corresponding values in the specified 2D array x.
  public static float[][] squares(float[][] x) {
  }
Complete the following methods, each of which returns the average of values in
  a specified array. Call the first method in your implementation of the second
  method.
  public static float average(float[] a) {
  }
  public static float average(float[][] a) {
```

Overtion 6	(10 mainta)
Question 6 For each of the	ne following questions, circle all (one or more) correct answers.
	f the following classes extend RuntimeException?
	FileNotFoundException
	IOException
	InputMismatchException
	•
	ArithmeticException
(b) Which o	f the following properties apply to text files?
Α.	Can be viewed easily using any text editor.
В.	Contain bytes representing only text, not numbers.
С.	Contain bytes that represent characters and digits.
D.	Are often larger than binary files with the same data.
(c) A progra	am writes one int and ten doubles to a new binary file. How many
bytes are	e in that file?
Α.	48
В.	84
С.	44
D.	88
(d) Why is i	t important to always close an output stream?
A.	To eject the disc on which the output data may be stored.
В.	To erase all of the data in the associated file.
С.	To ensure that all output data are written to the file.
D.	To enable a second output stream to be opened.

```
Question 7......(10 points)
   To demonstrate use of the class MinFinder, complete the method main in the
   class DemoMinFinder, and write the class Quadratic.
   public interface Function {
     // Returns value of the function y = f(x) for specified x.
     public double y(double x);
   }
   public class MinFinder {
     // Returns a value x such that the function y = f(x) is minimized.
     public double findMin(Function f) {
       // ... details omitted; assume this method works as specified.
     }
   }
   // Uses classes Quadratic and MinFinder to find the value x that
   // minimizes the function f(x) = x*x-3*x+2, and then prints both
   // the minimizing x and the corresponding minimum value f(x).
   public class DemoMinFinder {
     public static void main(String[] args) {
    }
   }
   // Quadratic function f(x) = a*x*x+b*x+c for arbitrary a, b, c.
   // (Implement this class in the space provided below this line.)
```