Program 3
COP-2250 - Java Programming - Summer B 2011
Professor: Michael Robinson
e-mail: mrobi002@cs.fiu.edu
Web Page: www.cs.fiu.edu/~mrobi002/teaching
Program 1 Due on July, Thursdat 21, 2011 at the beginning of class.

Turn in the signed source code on paper, and email me the source code.

Make sure the program is properly documented and aligned uniformally, looking professionally,
I will take points off if it not.

Include the following header in every program:

```
/*********************************************************************
Author     : Your Name
Course     : COP 2250 M-T-W-Th 5:00 PM
Professor  : Michael Robinson
Program #  : Program Purpose/Description
             {A brief description of the program }
Due Date   : MM/DD/YYYY
Certification:
I hereby certify that this work is my own and none of it is the work of any other person.
 ..........{ your signature }..........
*********************************************************************/
```

Purpose of this program:
- Implement the Math methods.
- Implement a 2Dimensional array

How:

**** NOTE ****
Each task must be done inside its own method.
Use main ONLY to create variables and call the methods.

- From main() call methods passing parameters where you will implement the following Math methods:

    examples of parameters:

```
int i = -72;
int j = 9;
double x = 72.5;
double y = 0.34;
```

    worth 4 points
    Create one method for each Math methods below.
    Examples of calling the methods and passing the parameters:

```
processAbsoluteValues(i, j, x, y );
processRoundValues(i, j, x, y );
processCeilingValues(i, j, x, y );
processFlooringValues(i, j, x, y );
processMinimunValues(i, j, x, y );
processMaximunValues(i, j, x, y );
processTrigFunctionsValues(i, j, x, y );
processExponentialValues(i, j, x, y );
processLogValues(i, j, x, y );
processPowerValues(i, j, x, y );
processSquareRootsValues(i, j, x, y );
processRandomValues(i, j, x, y );
```

    In each methods do computations with the data received, implementing
    the corresponding Math method, as presented in class.

Multidimensioanal Arrays
Worth 4 points
From main call methods to do the following:
- Create a two dimensional array of 10 rows by 10 columns to store integers
- Load the array with data, in each location place the total of (x+y), that is each (row+column) location

- Add all the values in this array (from 0,4 to 9,4), and print the total
- Add all the values in this array (from 0,5 to 9,5), and print the total
- Add the total of these two previous sections.

- Add all the values in this array (from 4,0 to 4,9), and print the total
- Add all the values in this array (from 5,0 to 5,9), and print the total
- Add the total of these two previous sections.

- Subtract the values of the second total from the first total, and print the total.

-