MACS 261J 2nd Midterm Exam April 15, 2011

Name:	

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

Qu	complete the following method, which prints elements of an array a, with specified heading and array name aname.
	<pre>static void print(String heading, String aname, float[] a) {</pre>
	}
Qu	complete the following method, which returns the number of elements in the array a that are above the average value.

public static int numberAboveAverage(float[] a) {

Question 3				(10 points)
Complete th		hod, which retu	rns a new 2D a	array of values, the
public sta	tic float[][]	smaller(float	[][] x, float	[][] y) {
}				
	ny standard clas			(5 points)
(a) Give an	n example of a cl	ass that extends	Error.	
Give an	n example of a cl	ass that extends	Exception.	
(b) What is	s special about c	lasses that exter	nd RuntimeExce	eption?

Question 6
For each of the following questions, circle all (one or more) correct answers.
(a) To read binary doubles from a FileInputStream, we should construct a
A. FileDataReader
B. Scanner
C. DataInputStream
D. DataOutputStream
(b) Which of the following properties apply to text files?
A. Contain only alphabetic letters, not numerals.
B. Can be viewed easily using any text editor.
C. Are usually smaller than binary files.
D. Contain bytes that represent characters and digits.
(c) A program writes one int value and three floats to a new binary file. How
many bytes are in the file?
A. 4
B. 8
C. 16
D. 32
(d) Why is it important to always close an output stream?
A. To erase all of the data in the file.
B. To ensure that all data are written to the file.
C. To properly initialize all output methods.
D. To ensure that no one thinks you an amateur.