Name: SOLUTIONS			
ID Number (last four digits):	(10 points)	Exam Number:	
Grade: 1: 2: 3: 4: Total:			

Solve \overline{ALL} the problems in the space provided Read the Problems CAREFULLY!

There are $2~(\mathrm{TWO})$ pages this page included

Problem 1. (10 POINTS)

Give short answers to the following questions.

- (a) How many bytes in a MATLAB double? 8B
- (b) What's the default MATLAB data-type for numbers? double

Problem 2. (10 POINTS)

Represent unsigned base-10 integer 14 in hexadecimal, and 8-bit binary representations. **E** or **0xE** is hexadecimal for 14, and **00001110** is binary (8-bit) for 14.

Problem 3. (10 POINTS)

What are the values of a, b, c at the end of the following MATLAB computation?

```
>> a = 10; b = 20; c = 30;

>> a = b + c;

>> b = c + a;

>> c = a + b;

>> a

a = 50

>> b

b = 80

>> c

c = 130
```

Problem 4. (10 POINTS)

How many variables are reported as available in MATLAB's workspace after the execution of the first who below, and after the second who below?