Spring '12 CIS 111 Final Review

You may bring one page of notes, front and back, and a calculator.

Questions will be in short-answer format with partial credit for partial answers.

Questions will require you to read HTML and JavaScript code, but not write code.

Topics:

- All midterm topics
- Conditional execution: if, if/else, if/else if/else if/else statements; Boolean NOT (!), AND (&&), OR (||)
- Conditional repetition: while loops
- String properties: length
- String methods: charAt(), substring(), toLowerCase(), toUpperCase(), search(), split()
- Arrays: defining, accessing/assigning elements, accessing length

Sample questions:

1. [5] Consider the following Javascript code:

```javascript
s = "";
x = 10;
if (x < 50) {
    s = s + "<50";
}
if (x < 100) {
    s = s + "<100";
}
alert(s);
```

What is printed by the above code? Why?

2. [5] Consider the following Javascript code:

```javascript
s = "Hello World";
alert(s.substring(2, 7));
```

What is printed by the above code? Why?

3. [5] Consider the following Javascript code:

```javascript
var o = "";
var i = 0;
while (i < 5) {
    o = o + "a";
    i = i + 1;
}
alert(o);
```

What is printed by the above code? Why?