Spring ’14 CIS 115 Midterm Review

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

You may bring a calculator but shouldn’t need one.

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:

- HTML <head>, <body>, <img>, <div>, <br>, <script>, and <input> (text/button only) tags
- Math and relational operators (i.e., +, -, *, /, <, <=, >, >=, ==, !=)
- If, else if, else conditional statements, for/while repetition statements
- Math.floor(), Math.random(), document.getElementById(), and alert() functions.
- Functions: advantages of using, parameters, return values, onclick handler
- Objects and arrays: in contrast to variables, creating, adding/accessing entries
- Geolocation: latitude/longitude coordinates, finding Google Maps documentation

Sample questions:

1. [10] Consider the following code:

```javascript
var x = 15;
if (x < 10) {
    alert("Green");
}
if (x < 20) {
    alert("Yellow");
}
```

What text is displayed by the above code? Why?

2. [10] Consider the following code:

```javascript
function f(list) {
    var x = 0;
    for (var i = 0; i < list.length; i++) {
        x = x + 2*list[i];
    }
    return x
}
alert(f([1, 2, 3, 4]));
```

What text is displayed by the above code? Why?