Winter ’11 CIS 111 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 but not write Javascript code.

Topics:

- HTML <head>, <body>, <title>, <img>, <br>, <a>, <ul>, <li>, and <script> tags
- prompt(), alert(), and document.write() functions
- Addition, subtraction, multiplication, division arithmetic expressions (i.e., +, -, *, /)
- String concatenation (e.g., “hello” + “ world”)
- Variables vs. strings (e.g., hello vs. “hello”)
- Strings vs. numbers (e.g., 1 + 1 + “hello” vs. “hello” + 1 + 1), parseFloat() function
- HTML <input> tag (text and button types only), onclick handler, HTML <textarea> tag
- document.getElementById() function
- Functions: advantages of using, parameters, return values, global vs. local variables

Sample questions:

1. [20] Consider the following HTML code (assume inside a <body> tag):

   ```html
   <input type="text" id="textField" size="10" value=""/>
   <input type="button" value="Click Me!"
       onclick="document.getElementById('textfield').value = 'Hello!';" />
   ```

   a. (10) Sketch the page as it would be rendered in a web browser (prior to clicking the button):

   b. (10) The above code results in a runtime error when the button is clicked. Why?

2. [10] Consider the following Javascript code:

   ```javascript
   function f(a) { a = 2; }
   a = 1;
   f(a);
   alert(a);
   ```

   What is printed when the code is executed?