**Student Activity Guide: Boolean** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 3 Lesson 11

**Directions**

* In section 1, create JavaScript programs as described. Debug until the program runs correctly. Record the final code you used for each in the space provided below.
* In section 2, determine the output of each code segment.

**Section 1**

1. Input three numbers and print the smallest.
2. Input three numbers and print them in order.

**Section 2**

Note: cout will need to be replaced with whatever we end up using for output

**What is the output of each of the following statements? Assume that a = 10, b = 5, c = 8, and temp = 0**

1. if (a <= b)

b = a;

cout << a << " " << b << endl; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. if (a <= b){

b = a; cout << a << " " << b << endl; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

}

1. if (a < b) note to editor: { } are left off intentionally

temp = a;

a = b;

b = temp;

cout << a << " " << b << endl; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. if (a < b) {

temp = a;

a = b;

b = temp;

}

cout << a << " " << b << endl; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. if (a < b)

if (b + c < a)

cout << c << " " << b << endl;

else

cout << b << " " << c << endl;

cout << b << " " << a << endl; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_