## CPSC 120B Test 1 Review

Sept. 20<sup>th</sup>, 2013

What follows are a set of questions similar to the written portion of the test. There will also be a programming portion of the test, done on the computers once you finish the written segment.

1. What are the 3 main data types you have used thus far? How do they differ?
2. Consider the function in Figure 1. List the function's parameters.
3. Based on the Pre conditions of the function in Figure 1, what are the data types that the function wil work on? Would it work with different data types? Mixed data types?
#PRE: turkey, chicken, and ham are integers
<pre>#POST: returns the sum of turkey, chicken, and ham def spam(turkey, chicken, ham):     return turkey + chicken + ham</pre>

Figure 1: Function for Questions 2 and 3.

4. For the following snippets of code, write what would be printed to the terminal. If an error would occur, just write **error**.

```
(a) print(7 // 2)
(b) print(7 / 2)
(c) def spam(eggs):
       return eggs * eggs
   ham = spam(spam(2))
   print(ham)
(d) def spam(eggs):
       return eggs * eggs
   ham = spam("Hello")
   print(ham)
(e) def spam(eggs, ham):
       eggs = ham
       return ham
   eggs = 2
   ham = "Yumm!"
   spam(eggs, ham)
   print(eggs)
(f) spam = 1
   for i in range(5):
       spam = spam / i
```

print(spam)