STT 301 Quiz 6 Solutions
October 1, 2018

Name: ———————————————— PID: ————————————————

Directions: Answer two of the three questions below. Write "Do Not Grade" in the blank space of the question you do not want me to grade. If you answer all three questions, I will only grade the first two questions. Each question is worth 1 point. The > before any variable assignment is the prompt as you would see if you were typing this code in the RStudio console.

1. Consider the R code below. What is the R output from `my_fcn(a = 2)`?

```
> my_fcn <- function(a, b) {
+     print(a)
+     print(a * a)
+     print(a * b)
+ }
>
> my_fcn(a = 2)

[1] 2
[1] 4

Error in print(a * b):  argument "b" is missing, with no default
```

2. Is the following claim true or false? Generally, it is quicker and more efficient to grow a vector each iteration of a loop as opposed to having a full-length vector and filling it with values.

   False

3. Describe one purpose of the ... argument as it relates to functions.

   It allows you to write a function that takes an arbitrary number of arguments.