

STT 301 Quiz 5 Solutions
September 26, 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 value of `y` that will be printed on the bottom line?

```
> n <- 10
> y <- 7
> repeat {

+   n <- n + 1

+   if (n > 13) {
+     break
+   }

+   y <- y + 2
+ }
>
> y

[1] 13
```

2. Consider the R code below. What is the value of y that will be printed on the bottom line?

```
> x <- c(1, 2, -5)
> y <- 0
> for (i in x) {
+   y <- y + i
+ }
>
> y

[1] -2
```

3. Consider the R code below. What is the value of y that will be printed on the bottom line?

```
> x <- 1
> y <- 1
> while (x <= 3) {
+   y <- y * 2

+   x <- x + 1
+ }
>
> y

[1] 8
```