

STT 301 Quiz 1 Solutions
September 12, 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. 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 vectors `x` and `y` below.

```
> x <- c(1, 2, 4)
> y <- c(3, 0, -1, -2)
```

What is the result of `mean(c(x, y))`?

```
> mean(c(x, y))

[1] 1
```

2. Let `w` be any vector with at least two elements. Provide an R command that extracts the second last element of `w`.

```
> w[length(w) - 1]
```

3. Consider the vector `z` shown below.

```
> z <- c(FALSE, FALSE, TRUE, TRUE, FALSE, TRUE)
```

What is the result of `sum(z)`?

```
> sum(z)

[1] 3
```