**Functions and Vectors: Extra Practice, 08/28/2018**

1. Subscripting using a numeric vector with repeats

v <- c(1, 2, 3, 4, 5)

index\_vector <- c(1, 1, 3, 5, 1)

**What will the following command return:** v[index\_vector]

1. Subscripting using a character vector

v = c(“T1”, “T2”, “T3”, “C1”, “C2”)

y = c(50.2, 49.5, 32.6, 0.210, 1.01)

names(y) = v

**What will the following command return:** y[c(“T1”, “T2”, “T3”)]

1. Subscripting vectors with other vector types

v = c(45.2, 30.6, 15.2, 0)

z = v <25

**What is z?**

**What will the following command return:** v[z]

1. Subscripting vectors using a character vector/legality of R code

v = c(1, 4, 7, 8, 100)

**Is this expression legal R code?** names(v) = c(“C”, “C”, “C”, “C”, “T”)

**What does the following command return:** v[“C”]