Name _____

Worksheet 2 R skills assessment

1. Write the code necessary to create a variable *scores* that will be a vector with the numbers 97, 67, 89, and 96 in it.

2. Now write the code necessary to replace the value 67 stored in that vector with the value 76

3. Write the code necessary to create a variable *students* that will be a character vector with the names LT, Sean, Kaya, and Megan in it.

4. Describe in plain English (1 sentence) what this code does.

```r
results <- c()
for(i in 1:100){
  tries <- 0
  working <- T
  while(working){
    diceroll <- sample(x=1:6, size = 4, replace = T)
    dicecheck <- sum(diceroll) == 24
    tries <- tries + 1
    if(dicecheck){
      results[i] <- tries
      working <- F
    }
  }
}
hist(results)
abline(v = mean(results), col = "red", lwd = 3)
```