* **Q1 (2 pts.):** Show the R code you used to create vec\_2.

vec\_2=vec\_1==3

* **Q2 (2 pts.):** Give two reasons why determining which elements in vec\_1 have value 3 by visual inspection is a bad idea.

There are more than 12,000 entries and it would take forever, and because the console cuts off most of the data

* **Q3 (1 pt.):** Why didn’t you always get the same count of 3 entries each time?

Because it is randomly selecting numbers every time, and won’t get the same number of 3

* **Q4 (3 pts.):** Considering the different vectors generated each time, explain why using a logical test is a safe way to select entries with a value of 3.
* **Q5 (5 pts.):** Explain why performing logical ‘by hand’ subsetting is very very bad practice. You may want consider re-usability of code, working with different sized data sets, and sharing code with collaborators.
  + Your answer should cite at least *two* reasons why ‘by hand’ subsetting is bad.