Assignment 3.4 – Loops

Create an R Markdown document that outputs either an HTML or DOC file.

a. In Assignment 3.2 question a, you were asked to write a function that would take a number x and perform the calculation $2x^2 - 3x + 12$. Use a for loop to perform this calculation using the function you wrote to perform the calculation on 1,000 random numbers generated with `sample()`. Store the results of the function in an object called `hop.up3`.

b. In Assignment 2.1, you were asked to create a plot of the Loblolly data set that graphed height versus age, color the points by seed, and add lines that linked up the seeds in base graphics (not ggplot2). Write a loop that adds these lines.