Name		

Lab 1 Assignment

(40 points)

DIRECTIONS

Please upload this fillable pdf form to canvas. This form is due at the start of next Thursday class by 11:00 AM to Bioinformatics 104.

Α.	Installation	of R	, bioconductor.	and basic	commands	(10	points
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•	In a typed word processing document, clearly answer the following questions.
A. I	nstallation of R, bioconductor, and basic commands (10 points)
,	Describe the process of obtaining and installing R, Rstudio, and Bioconductor on a computer (what website to download, how to setup each) (2 pts).
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2) F	low many rows does the multtest data have (2 pts)?
3) V	Vhat is the mean of the multtest data (2 pts)?
4) '	What version of R do you have (2 pts)?
5) '	What is your current working directory (2 pts)?
B. F	R commands (30 points)
,	Generate a vector of numbers named "x" with 8 "4" and 10 "2" in succession, be sure to use the "rep" command (2 pts).
2) .	Add the number "20" to the end of the vector (2 pts).
3)	Raise each element in the vector created in step 2 by the power of 2 (2 pts).
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4)	Generate a vector named "y" with your first and last name (2 pts).
,	Insert your middle name into your name vector, if no middle name use "temp" as your middle name (2 pts).
6)	What is the difference between vectors and lists in R (2 pts).
7)	What is the command to quit R (2 pts)?
8)	How do you get help in R (2 pts)?
9)	What is the operator to take the square root of a number (2 pts)?
10)	What are two ways to generate sequential numbers of step size 1 (2 pts)?
11)	What is the default prompt for the R environment (2 pts)?
,	If a command is not complete at the end of a line, R will give a different prompt. at is that prompt (2 pts)?

13) What would be the result of following R code (2 pts)? > x <- 1 > print(x)	
14) R creates and manipulates are known as objects. List 3 different classes of objects (2 pts)?	
15) How do you display the stored objects in R (2 pts)?	