Week 1 Quiz Quiz, 20 questions

1 poin	t
1. R was	developed by statisticians working at
0	The University of Auckland
0	Harvard University
0	StatSci
0	Bell Labs
1 poin 2.	t
	finition of free software consists of four freedoms (freedoms 0 through 3). Which of the ng is NOT one of the freedoms that are part of the definition? Select all that apply.
	The freedom to prevent users from using the software for undesirable purposes.
	The freedom to improve the program, and release your improvements to the public, so that the whole community benefits.
	The freedom to redistribute copies so you can help your neighbor.
	The freedom to run the program, for any purpose.
	The freedom to sell the software for any price.
	The freedom to restrict access to the source code for the software.
	The freedom to study how the program works, and adapt it to your needs.
1 poin	t

3.

	matrix
, 20 questidns	matrix
	numeric
	table
	array
	complex
	list
	integer
	character
	logical
	data frame
1 poin 4.	t
poin 4. If I exe	cute the expression x <- 4L in R, what is the class of the object `x' as determined by the ')' function?
4. If I exe `class(cute the expression x <- 4L in R, what is the class of the object `x' as determined by the ')' function?
4. If I exe `class(cute the expression x <- 4L in R, what is the class of the object `x' as determined by the ')' function? integer
4. If I exe `class(cute the expression x <- 4L in R, what is the class of the object `x' as determined by the class of the object
4. If I exe `class(cute the expression x <- 4L in R, what is the class of the object `x' as determined by the ')' function? integer complex character
4. If I exe `class(cute the expression x <- 4L in R, what is the class of the object `x' as determined by the ')' function? integer complex character logical



8.

Suppos apply.	se I have a list defined as x <- list(2, "a", "b", TRUE). What does x[[2]] give me? Select all that
	a list containing character vector with the letter "a".
	a character vector of length 1.
	a list containing a character vector with the elements "a" and "b".
	a character vector containing the letter "a".
	a character vector with the elements "a" and "b".
1 point	
9. Suppos	se I have a vector $x <- 1:4$ and $y <- 2:3$. What is produced by the expression $x + y$?
0	a numeric vector with the values 3, 5, 3, 4.
0	an numeric vector with the values 3, 5, 5, 7.
0	an integer vector with the values 3, 5, 5, 7.
0	a numeric vector with the values 1, 2, 5, 7.
0	an integer vector with the values 3, 5, 3, 4.
0	a warning
0	an error.
1 point	
	se I have a vector $x <- c(17, 14, 4, 5, 13, 12, 10)$ and I want to set all elements of this vector e greater than 10 to be equal to 4. What R code achieves this? Select all that apply.
	x[x > 10] <- 4
	x[x >= 10] <- 4

Week 1 Quiz	x[x == 10] <- 4
Quiz, 20 questicns	x[x == 4] > 10
	x[x < 10] <- 4
	x[x >= 11] <- 4
	x[x > 10] == 4
	x[x > 4] <- 10

1 point

11.

Use the Week 1 Quiz Data Set to answer questions 11-20.

In the dataset provided for this Quiz, what are the column names of the dataset?

- Ozone, Solar.R, Wind
- Ozone, Solar.R, Wind, Temp, Month, Day
- Month, Day, Temp, Wind
- **O** 1, 2, 3, 4, 5, 6

1 point

12.

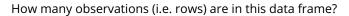
Extract the first 2 rows of the data frame and print them to the console. What does the output look like?

\circ	1		Ozone	Solar.R	Wind	Temp	Month	Day
•	2	1	7	NA	6.9	74	5	11
	3	2	35	274	10.3	82	7	17

0	1		Ozone	Solar.R	Wind	Temp	Month	Day
•	2	1	9	24	10.9	71	9	14
	3	2	18	131	8.0	76	9	29

\circ	1		Ozone	Solar.R	Wind	Temp	Month	Day
	2	1	18	224	13.8	67	9	17
	3	2	NA	258	9.7	81	7	22

\mathbf{O}	:	L	Ozone	Solar.R	Wind	Temp	Month	Day
•	1	2 1	. 41	190	7.4	67	5	1
	3	3 2	36	118	8.0	72	5	2



- **O** 45
- **O** 129
- **O** 153
- **O** 160

1 point

14.

Extract the *last* 2 rows of the data frame and print them to the console. What does the output look like?

\circ	1		Ozone	Solar.R	Wind	Temp	Month	Day
	2	152	11	44	9.7	62	5	20
	3	153	108	223	8.0	85	7	25

_								
\cap	1		Ozone	Solar.R	Wind	Temp	Month	Day
	2	152	18	131	8.0	76	9	29
	3	153	20	223	11.5	68	9	30

\circ	1		Ozone	Solar.R	Wind	Temp	Month	Day
	2	152	34	307	12.0	66	5	17
	3	153	13	27	10.3	76	9	18



1 point

15.

What is the value of Ozone in the 47th row?

- **O** 34
- **O** 63
- **O** 18
- **O** 21



