R version 3.1.2 (2014-10-31) -- "Pumpkin Helmet"

1.1 Calculate the cube root of 2015, as follows:  
2015^(1/3)

[1] **12.63063**

1.2 Find the absolute value of 5.7 minus 6.8 divided by .58:  
abs(5.7-6.8)/.58

[1] **1.896552**

1.3 Create a list of integers from 1 to 12 and call it “a”:  
a = 1:12  
a   #(this will print a, so you can paste it into your homework; do this each time)

> **a = 1:12**

> **a**

[1] **1 2 3 4 5 6 7 8 9 10 11 12**

1.4 Create a sequence of odd numbers from 1 to 11:

b = c(1, 3, 5, 7, 9, 11)

b

[1] **1 3 5 7 9 11**

1.5 Create the same sequence in another way:  
c = seq(1,11, 2)  
c

[1]  **1 3 5 7 9 11**

1.6 Take the natural log (ln) of a. (Note that this is done to the entire “vector” called a.)  
ln.a = log(a)  
ln.a

[1] **0.0000000 0.6931472 1.0986123 1.3862944 1.6094379**

[6] **1.7917595 1.9459101 2.0794415 2.1972246 2.3025851**

[11] **2.3978953 2.4849066**

1.7 Compute the squares of the odd numbers from 1 to 11.

> **odds = seq(1,11,2)**

> **odds^(2)**

[1] **1 9 25 49 81 121**

1.8 Use ?sd to view the help file for the sd function.  What does it do?

**It brings the Standard Deviation help page on the web browser**

1.9. Create a variable Name that contains your first name.  Because your name is a character string, not a number, you will need to put it in quotes so that R knows not to go looking for a variable with that name:

Name = "Susan"

Then type

paste("My name is", Name)

> **Name = "Soujit"**

> **paste("My name is", Name)**

[1] **"My name is Soujit"**