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

**1.1** > 2015^(1/3)

[1] 12.63063

**1.2** > abs(5.7 - 6.8) / .58

[1] 1.896552

**1.3** > a = 1:12

> a

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

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

> b

[1] 1 3 5 7 9 11

**1.5** > c = seq(1,11, 2)

> c

[1] 1 3 5 7 9 11

**1.6** > ln.a = log(a)

> ln.a

[1] 0.0000000 0.6931472 1.0986123 1.3862944 1.6094379 1.7917595 1.9459101 2.0794415

[9] 2.1972246 2.3025851 2.3978953 2.4849066

**1.7** c^2

[1] 1 9 25 49 81 121

**1.8** The sd function computes the standard deviation of the values passed to it in a numeric vector. It also has another optional parameter (na.rm – defaults to FALSE) that indicates whether missing values should be removed or not before finding the standard deviation

**1.9** > Name = "Tom"

> paste("My name is", Name)

[1] "My name is Tom"