Homework 1

Problem 1

1) (1/3)+(1/4)
2) (2^10)+1
3) f<-440
   1127*log(1+(f/700))
4) a<-2
   b<-4
   c<--4
   (-b+sqrt((b^2)-(4*a*c)))/(2*a)

Problem 2
Code:
mydata = read.csv("NYC.csv")
table(mydata)
((7+5)/(7+5+33+59))*100

Results:
r, fourth, emphatic, Klein's: 6
r, fourth, emphatic, Macy's: 13
r, fourth, emphatic, Saks: 16

Percentage of r's in "floor" at Klein's: 11.53846%

Problem 3
Code and Results:
```
> mydata3 <- read.table("VOT.tsv", header = TRUE)
> Eng_VOTs <- mydata3[which(mydata3$language == "english"), c("vot")]
> Spa_VOTs <- mydata3[which(mydata3$language == "spanish"), c("vot")]
> quantile(Eng_VOTs)
    0%    25%    50%    75%   100%
-2.5300 15.6075 25.2650 50.1750 82.8600                          (English Quartiles)
> quantile(Spa_VOTs)
   0%    25%    50%    75%   100%
-85.29 -60.71  -21.83  11.32  39.54                             (Spanish Quartiles)
> mean(Spa_VOTs)
[1] -24.31306                                                    (Spanish Mean)
> sd(Eng_VOTs)
[1] 19.86479                                        (English Sample Standard Deviation)
```