```
#PART ONE
#1
1/3 + 1/4

#2
2^10 + 1

#3
1127*log(1 + 440/700)

#4
((-4+sqrt((4^2)-(4*2*-4)))/(2*2))

#PART TWO
df1 <- read.csv('labov.csv', header = T)
xtabs(~word+emphasis+r, data=df1)

# employees use the emphatic r in the word fourth 35 times


total <- 92+12
12/total
# The percentage of employees at S.Klein use r in word 'floor':  11.53846 %

#PART THREE
Vot <- read.table(file='VOT.tsv',sep='\t', header = T)
summary(Vot)

# 1st Quartile : -17.98
# 2nd Quartile : 13.82
# 3rd Quartile : 27.36
# 4th Quartile : 82.86

span <- Vot[Vot$language == 'spanish',]
summary(span)

# The mean of Spanish speaker's VOT is -24.31

eng <- Vot[Vot$language == 'english',]
eng_vot <- xtabs(~vot, data = eng)
sd(eng_vot)

#The sample standard deviation of English speakers' VOT is 0.1492448
```