Assume that cans of Pepsi are filled so that the actual amount have a mean of 12 oz and a standard deviation of 0.09 oz. Suppose that a random sample of 36 cans are examined,

1. What is the mean of this sample mean of 36 cans?
2. 12
3. 22
4. 36
5. 3
6. What is the standard deviation of this sample mean of 36 cans?
7. 0.09
8. 0.015
9. 0.09/36
10. NA
11. What is the probability that this sample of 36 cans will have a sample mean amount of at least 12.01 oz?
12. pnorm(12.01, 12, 0.09)
13. 1- pnorm(12.01, 12, 0.09)
14. 1- pnorm(12.01, 12, 0.015)
15. 1- pnorm(12, 12.01, 0.09)
16. pnorm(12.01, 12, 0.09)

According to the National Retail Federation, 34% of taxpayers used computer software to do their taxes. A sample of 125 taxpayers was selected.

1. What is the distribution of the sample proportion of the 125 taxpayers that used the computer software to do their taxes?a
2. N(0.34, 0.0424)
3. N(0.34, 82.5)
4. What is the probability that between 28% and 40% of the taxpayers from the sample of 125 used computer software to do their taxes?a
5. pnorm(0.4,0.34,0.0424)-pnorm(0.28,0.34,0.0424)
6. pnorm(0.4,0.34,125)- pnorm(0.28,0.34,125)