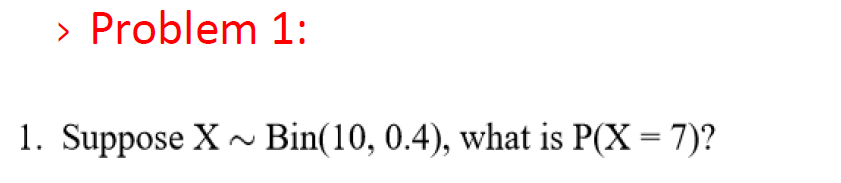
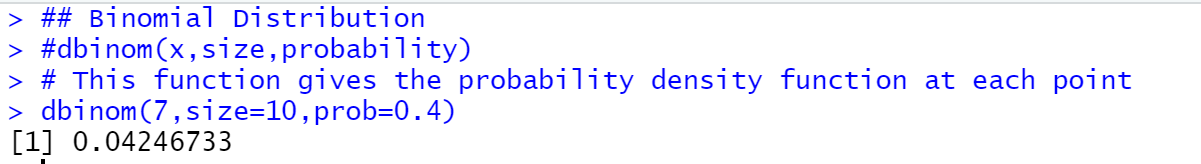
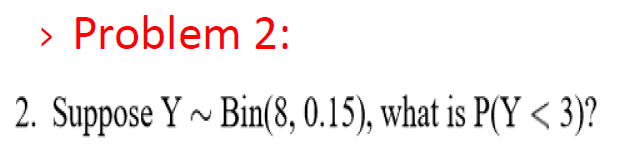
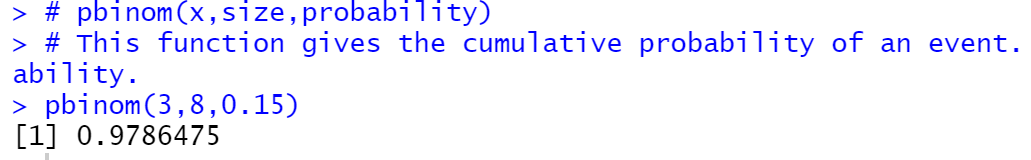
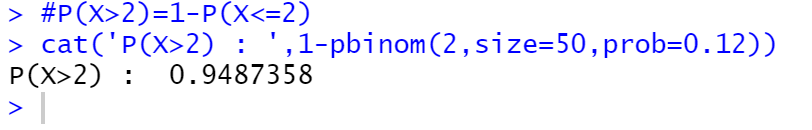
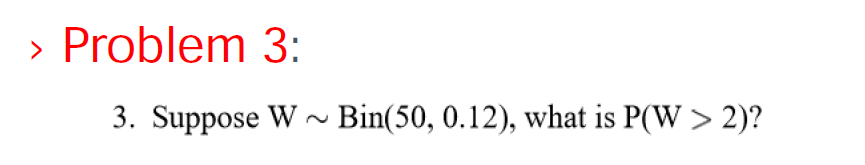
***­­Binominal Distribution***

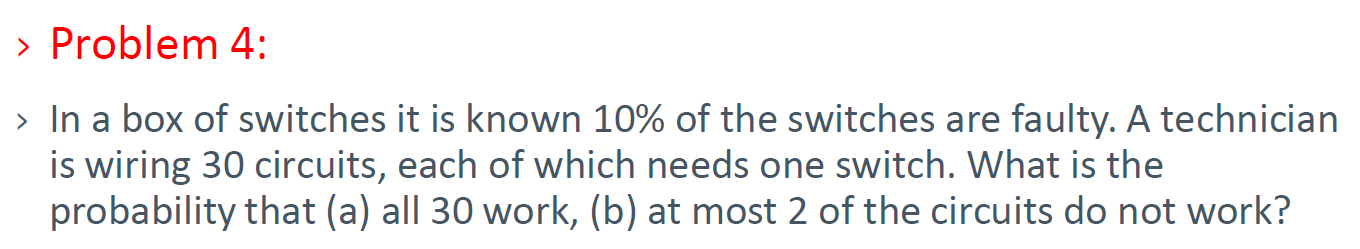




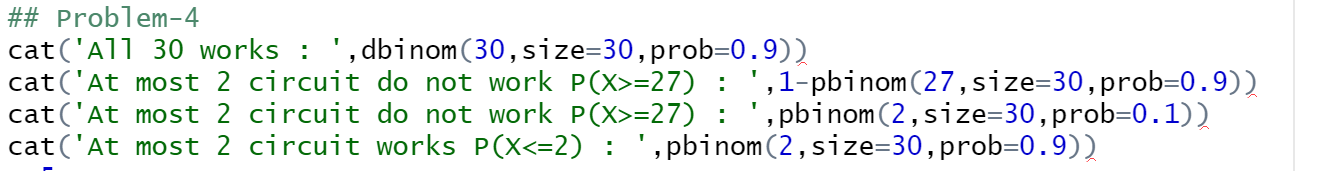


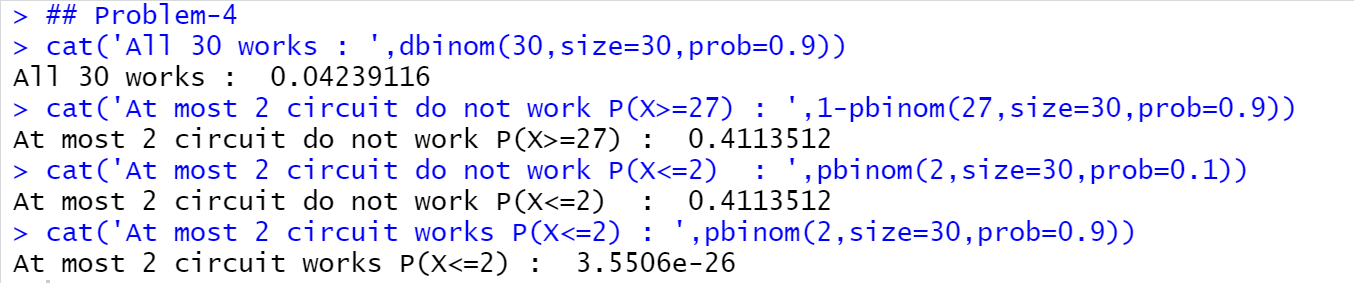


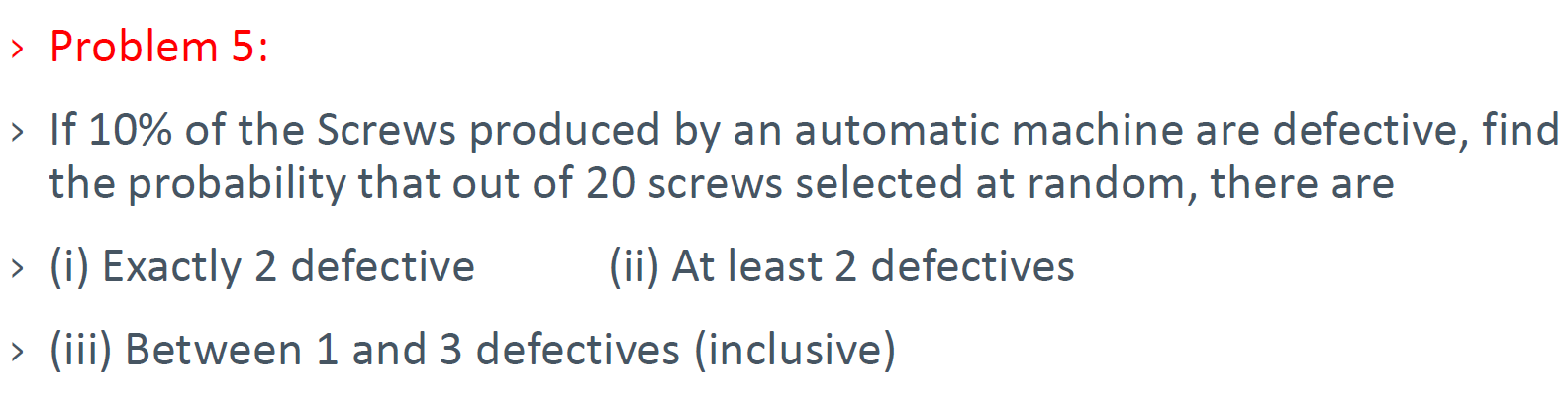


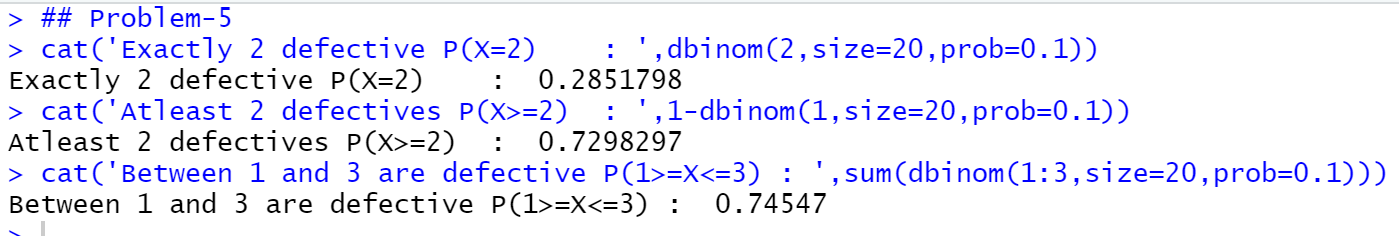
c)at-most 2 of the circuit works : P(X<=2)

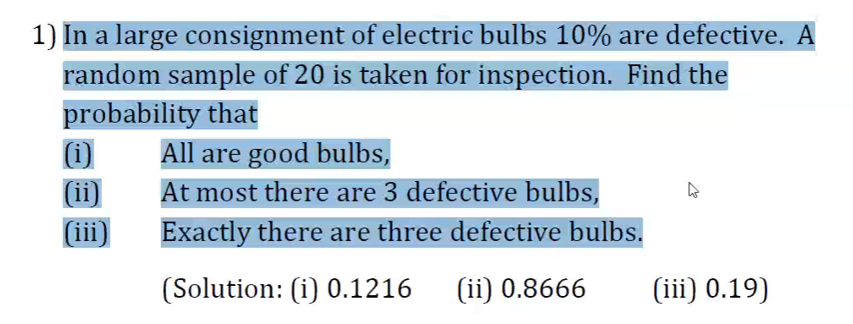
Probability of failure(i.e switches are not working) 🡪 10% (0.1)  
Probability of success(i.e switches are working) 🡪 90% (0.9)

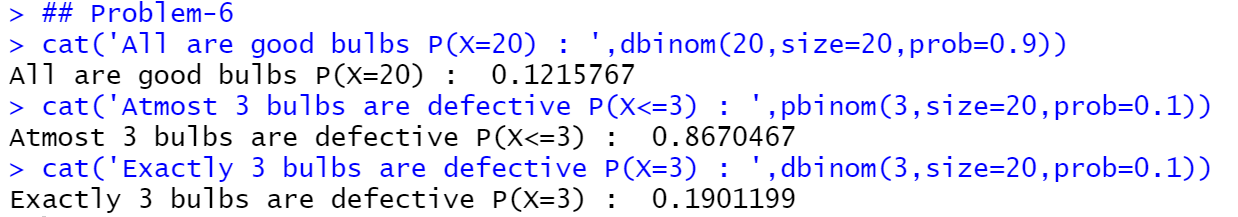


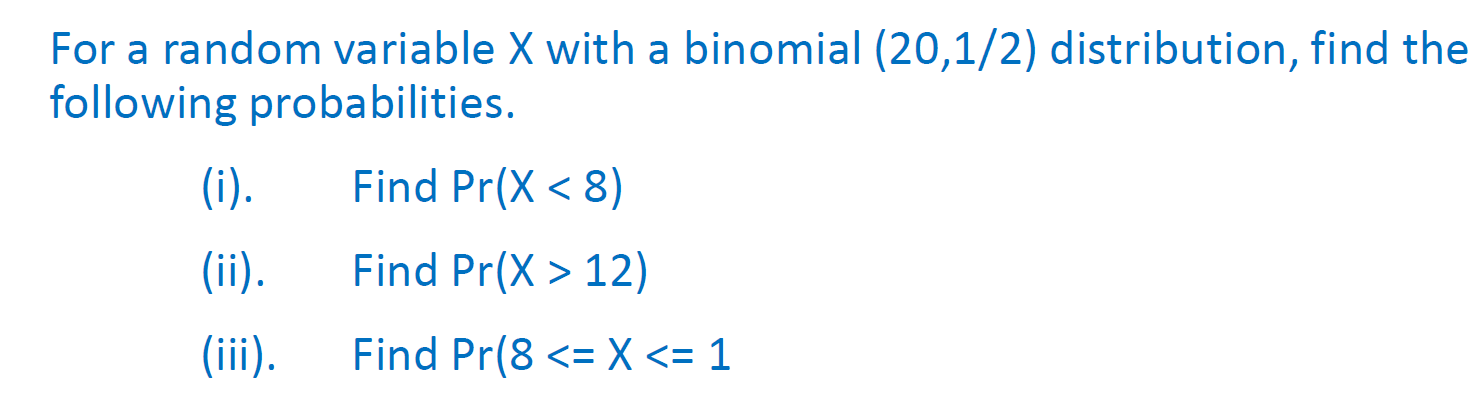
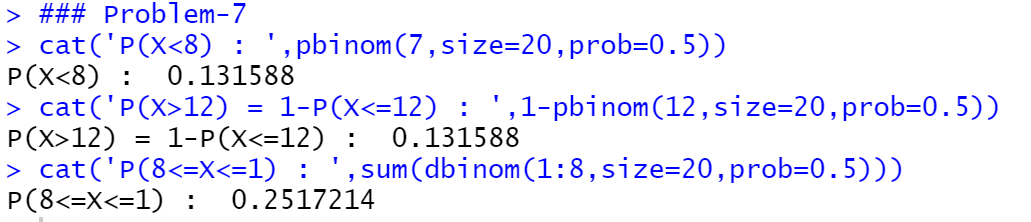


  
Probability of success (i.e defective screws) 🡪 0.1

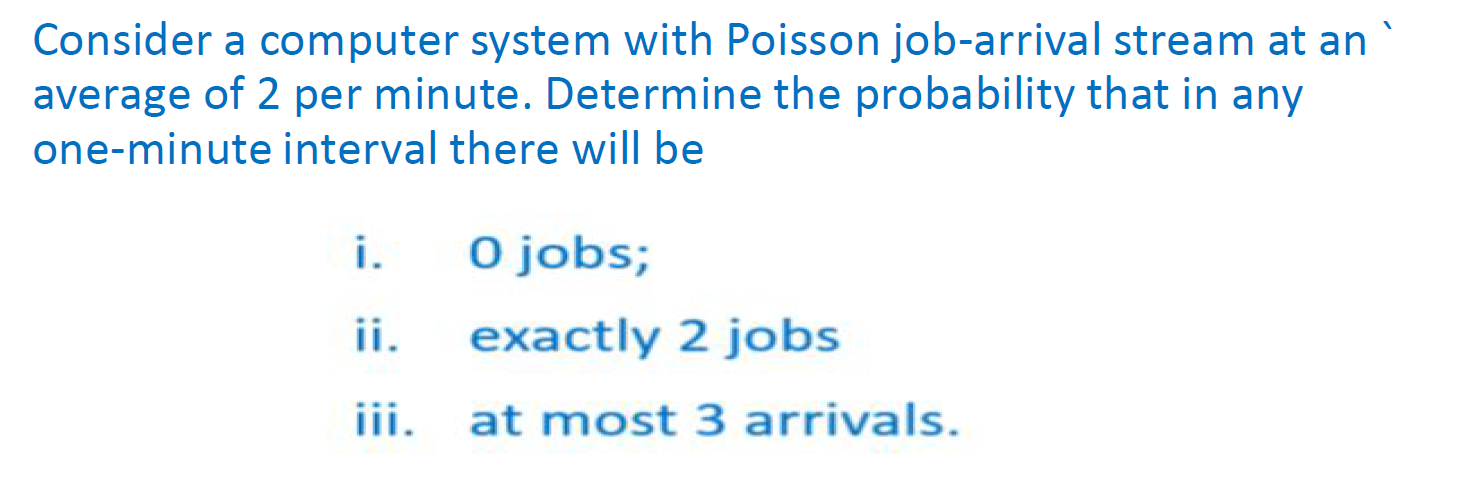
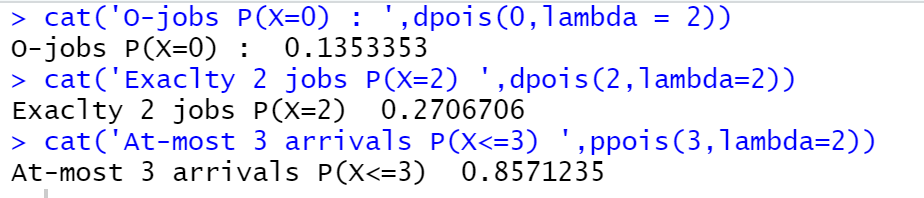


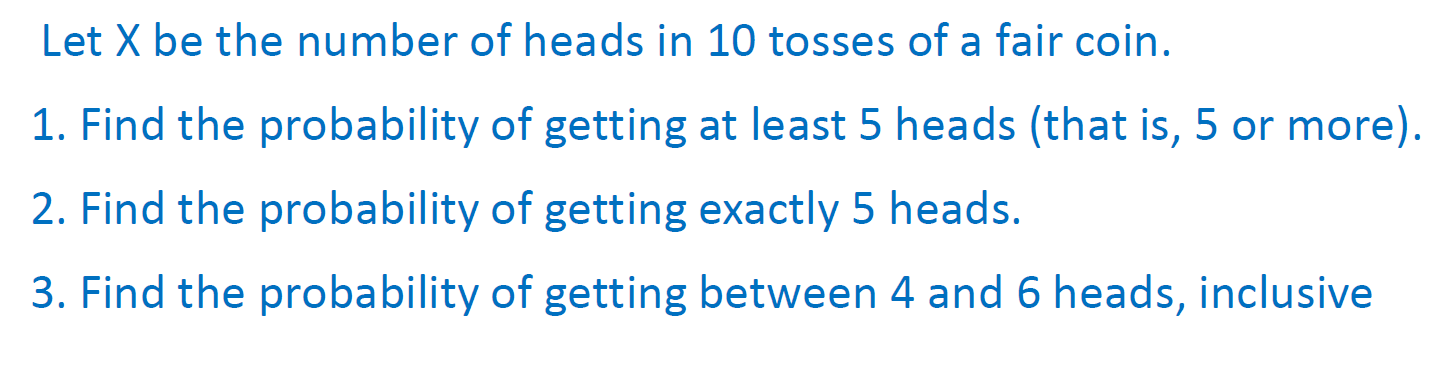
  
Probability of defective 🡪 10% (i.e 0.1)  
Probability of good bulbs 🡪 90% (i.e 0.9)

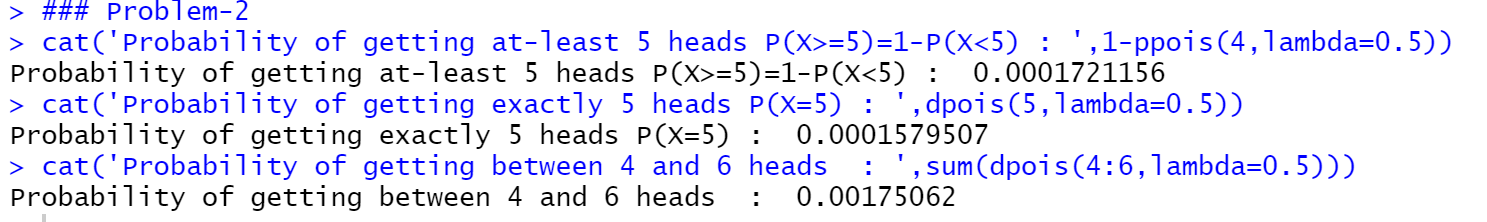


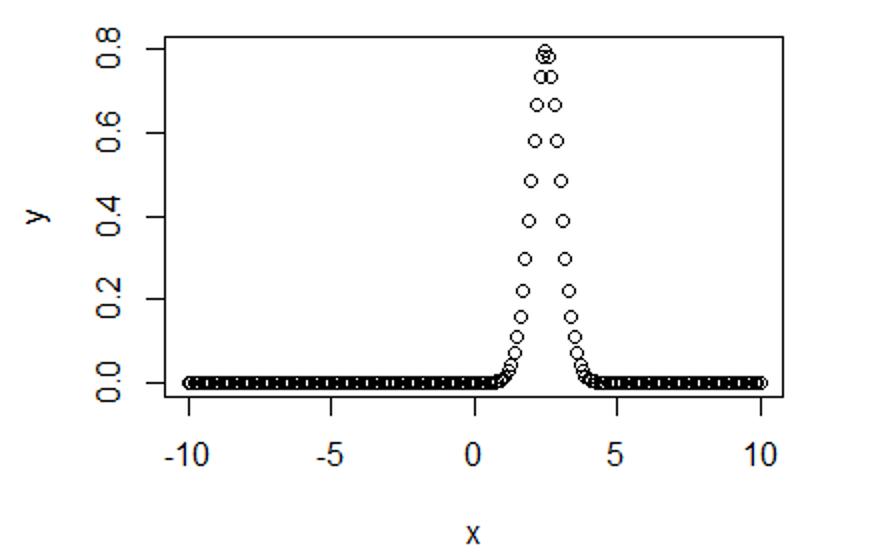
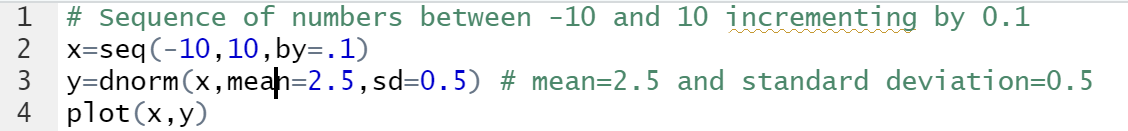
Poisson Distribution

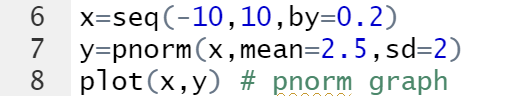
  


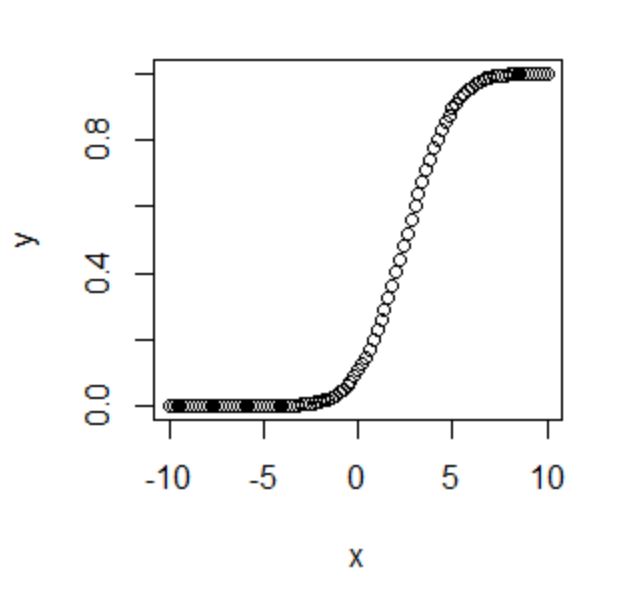


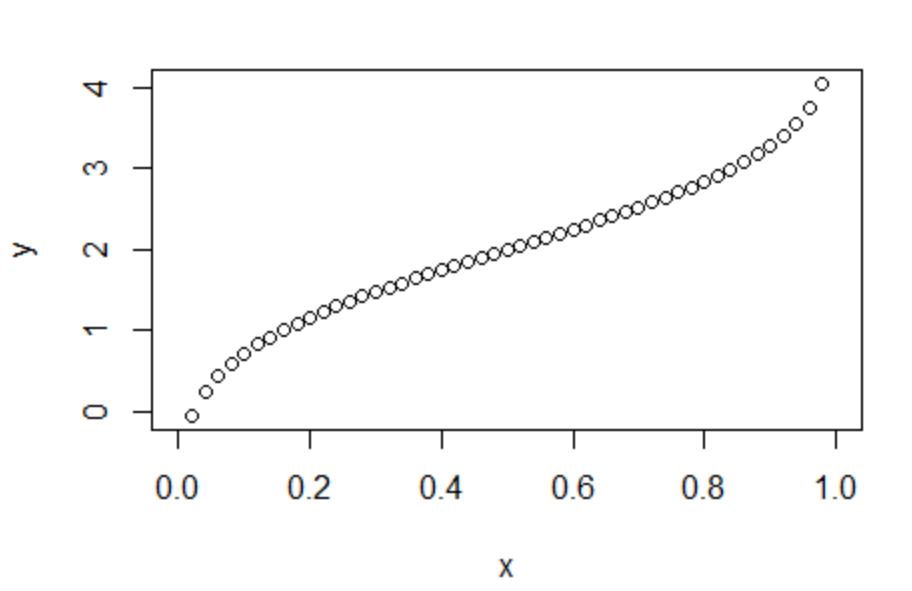
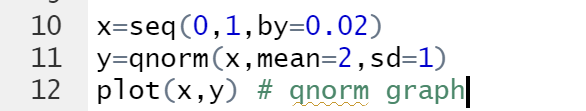


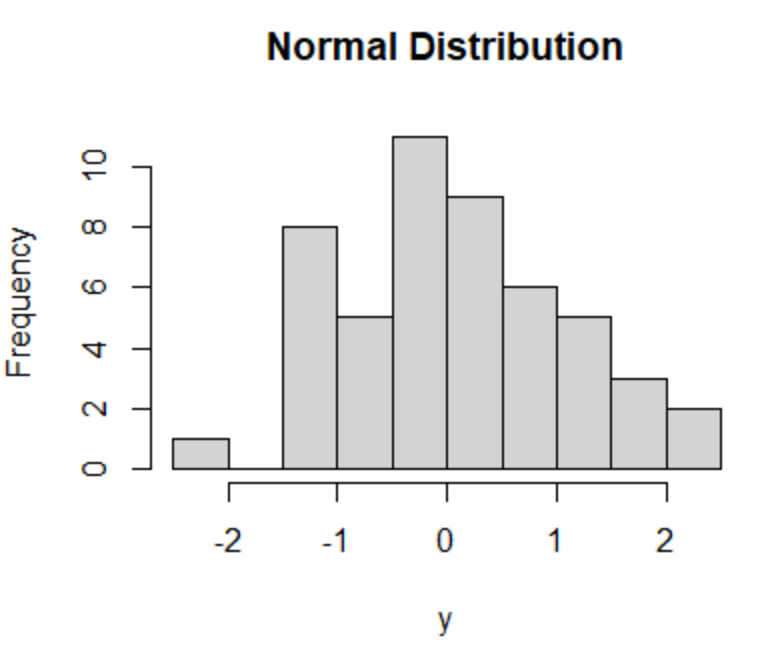
Normal Distribution



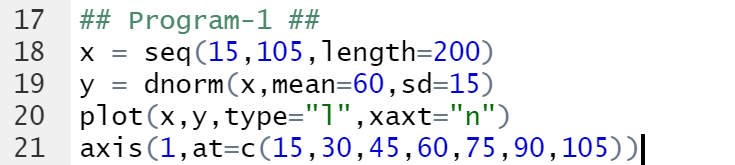


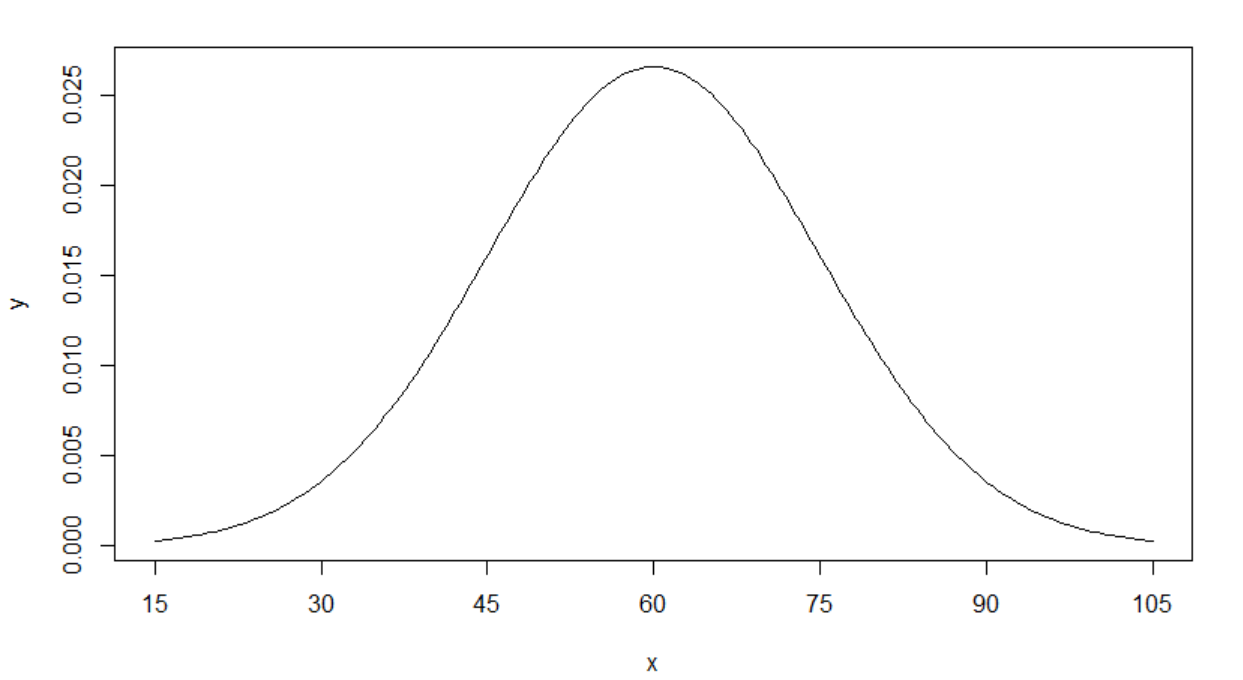


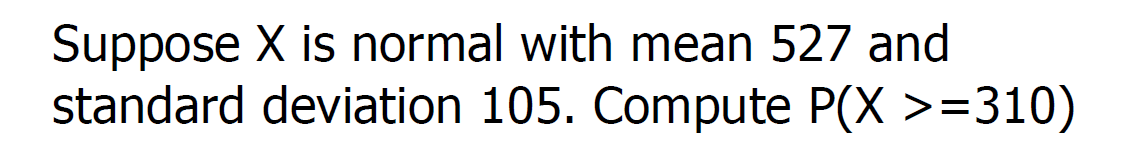
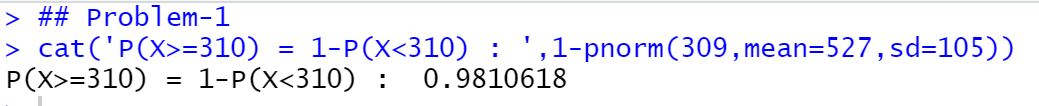


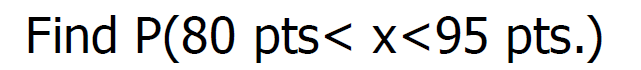
Program-1  
Draw a normal distribution with the mean=60 and standard deviation=15.





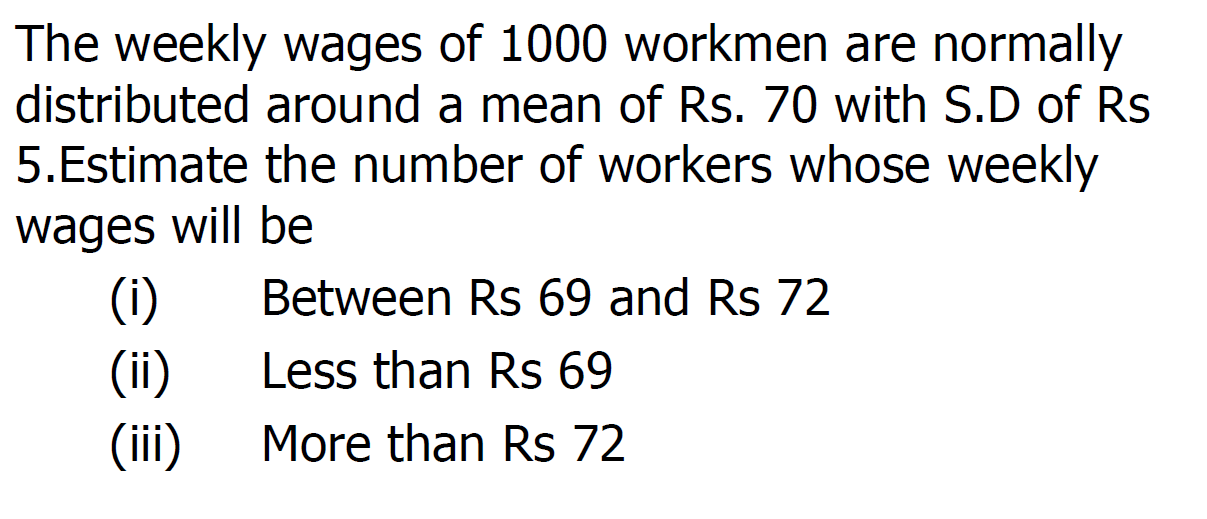
1)   


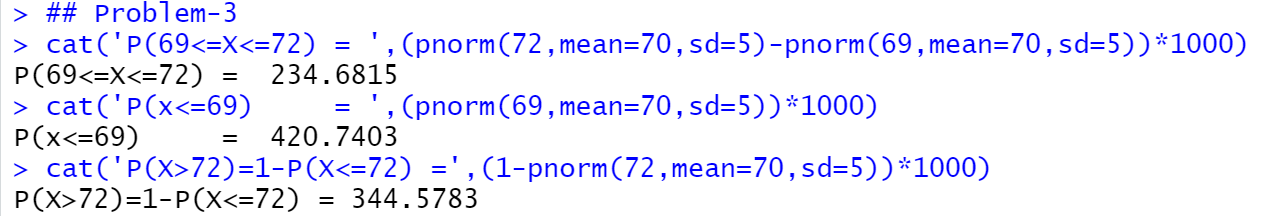
2)





3)





4) 