

```
> setwd("C:\\Users\\MCS\\OneDrive - Sri Lanka Institute of Information Technology\\Desktop\\IT24103399_Lab_6")
> 1-pbinom(46,50,0.85,lower.tail=TRUE)
[1] 0.04604658
>

> setwd("C:\\Users\\MCS\\OneDrive - Sri Lanka Institute of Information Technology\\Desktop\\IT24103399_Lab_6")
> getwd()
[1] "C:/Users/MCS/OneDrive - Sri Lanka Institute of Information Technology/Desktop/IT24103399_Lab_6"
>
> dbinom(40,44,0.92)
[1] 0.1979776
>
> dbinom(40,44,0.92)
[1] 0.1979776
>
> pbinom(35,44,0.92,lower.tail=TRUE)
[1] 0.007252274
>
> 1- pbinom(37,44,0.92,lower.tail=TRUE)
[1] 0.9412233
>
> pbinom(42,44,0.92,lower.tail=TRUE)-pbinom(39,44,0.92,lower.tail=TRUE)
[1] 0.6025556
>
> dpois(6,5)
[1] 0.1462228
>
>
> ppois(6,5,lower.tail=False)
Error: object 'False' not found
>
> ppois(6,5,lower.tail=FALSE)
[1] 0.2378165
>

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> dpois(15,12)
[1] 0.07239112
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>
> #Here,random variable X has binomial distribution with n=50 and p=0.85
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```