

IT2120 – Probability and Statistics

Lab Sheet – 07

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```
setwd("C:\\Users\\ASUS\\OneDrive - Sri Lanka Institute of Information Technology\\PS\\IT24101667_Labsheet_07")

#1
punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)

#2
pexp(2, rate=1/3, lower.tail=TRUE)

#3
1 - pnorm(130, mean=100, sd=15)

qnorm(0.95, mean=100, sd=15)
|
```

```
> setwd("C:\\Users\\ASUS\\OneDrive - Sri Lanka Institute of Information Technology\\PS\\IT24101667_Labsheet_07")
> #1
> punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
[1] 0.375
> #2
> pexp(2, rate=1/3, lower.tail=TRUE)
[1] 0.4865829
> #3
> 1 - pnorm(130, mean=100, sd=15)
[1] 0.02275013
> qnorm(0.95, mean=100, sd=15)
[1] 124.6728
> |
```