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Lab 07

```
1 setwd('C:\\Users\\msi\\Desktop\\Sliit Uni\\2 YR 1 Sem\\Probability and Statistics - IT2120\\Labs
2 |
3 #Exercise
4 #1
5 punif(25, min=0, max=40, lower.tail = TRUE) - punif(10, min=0, max=40, lower.tail = TRUE)
6
7 #2
8 pexp(2, rate=1/3, lower.tail = TRUE)
9
10 #3
11 #(i)
12 pnorm(130, mean=100, sd=15, lower.tail = FALSE)
13
14 #(ii)
15 qnorm(0.95, mean=100, sd=15, lower.tail = TRUE)
```

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R 4.5.1 · C:/Users/msi/Desktop/Sliit Uni/2 YR 1 Sem/Probability and Statistics - IT2120/Labs/Lab 7/
> setwd('C:\\Users\\msi\\Desktop\\Sliit Uni\\2 YR 1 Sem\\Probability and Statistics - IT2120\\Labs\\L
ab 7')
>
> #Exercise
> #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
> #(i)
> pnorm(130, mean=100, sd=15, lower.tail = FALSE)
[1] 0.02275013
>
> #(ii)
> qnorm(0.95, mean=100, sd=15, lower.tail = TRUE)
[1] 124.6728
>
```