

IT2120- Probability and Statistics

Lab Sheet 07

IT24103165

01.

```
> #uniform distribution  
> punif(25,min=0,max=40,lower.tail = TRUE)-punif(10,min=0,max=40,lower.tail = TRUE)  
[1] 0.375
```

02.

```
> #exponentially distribution  
> pexp(2,rate=0.333,lower.tail = TRUE)  
[1] 0.4862405
```

03.

```
> #normal distribution  
> pnorm(130,mean=100,sd=15,lower.tail = FALSE)  
[1] 0.02275013  
>  
> qnorm(0.95,mean=100,sd=15,lower.tail = TRUE)  
[1] 124.6728
```