

```
plot(dnbinom(seq(0,500,10),1,.01),xlab="trial number/10",ylab="Geometric  
Probability",main="Geometric Probability p=.01",col="blue",type="h")  
quartz()  
plot(dgamma(0:500,1,.01),xlab="time duration-units of delta  
t",ylab="Exponential Probability", main="Exponential Density lambda=.  
01",col="red",type="l")
```