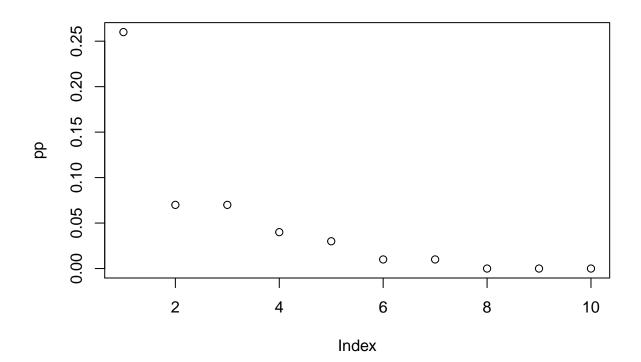
Biostat 601 Hw 11

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December 13, 2016

Problem 3(c)



Problem 4(d)

```
rm(list=ls())
m <- 1e4
n <- 100
x <- matrix(runif(m*n, -0.5, 0.5), m, n)
prob <- mean(abs(rowSums(x)) > 10)
print(prob)
```

[1] 3e-04

Problem 6(d)

```
rm(list=ls())
m <- 1e4
n <- 1e2
qq <- c()
for(i in 1:m){
    x <- runif(n, 0, 1)
    v <- min(x)
    q <- n*v
    qq <- c(qq, q)
}
p <- ppoints(100)
qt <- quantile(qq,p)
plot(qexp(p),qt)</pre>
```

