

## Question 4

```
rate = 220/320

n = 0
x = 0
while(x < .95){
  x = x + (exp(-rate)*rate^n)/factorial(n)
  n = n + 1
}
print(n - 1)
```

```
## [1] 2
```

Therefore, 2 parking spaces will be sufficient to meet the capacity requirement.