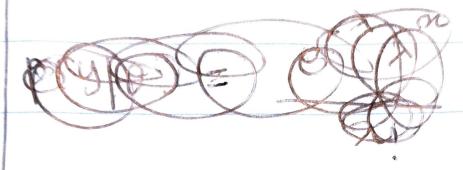
Assignment - 14

1)

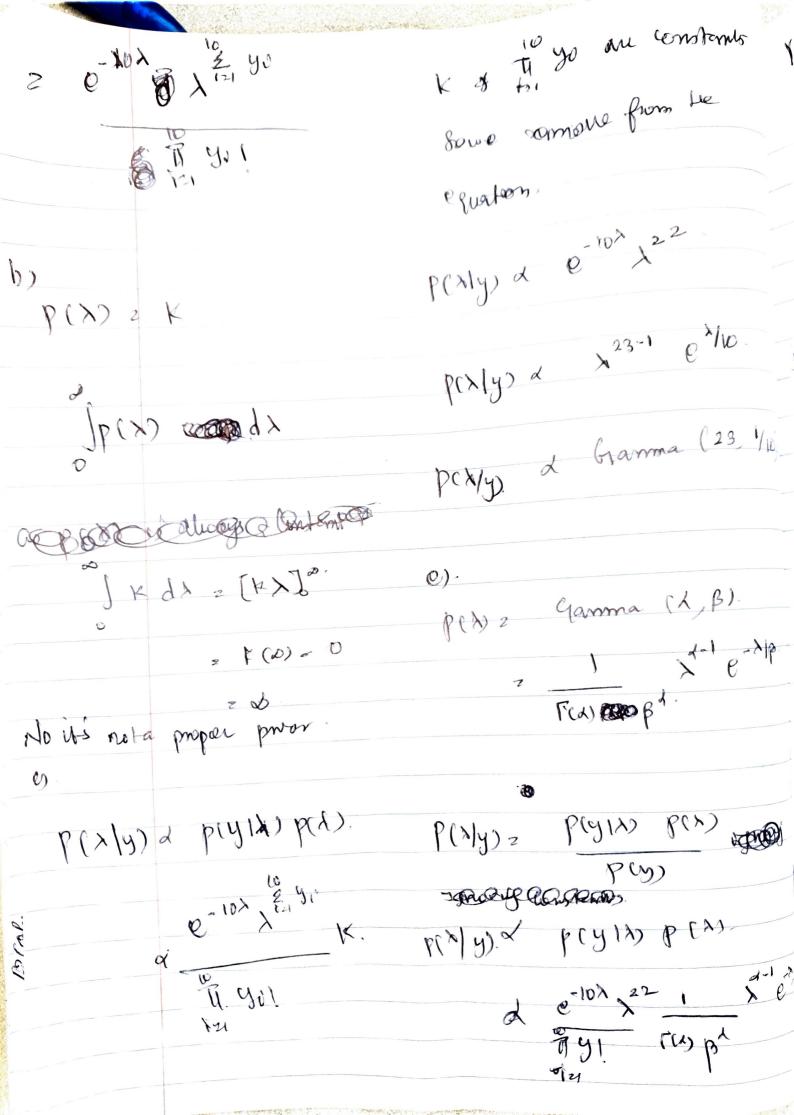
9

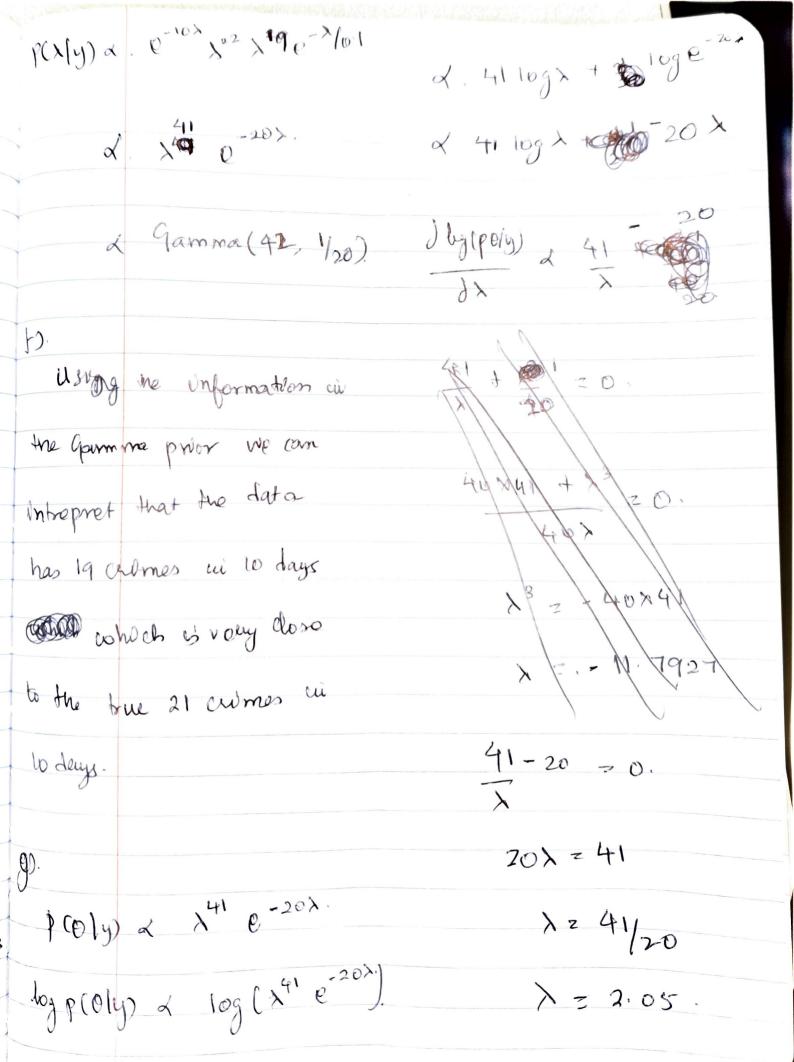


Ply100 = P(4,10) P(42/0)

.... p(y,010)-

= Ti P(y:10)-





P(X714) 2 1- P(X < 3).

0.152

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d)

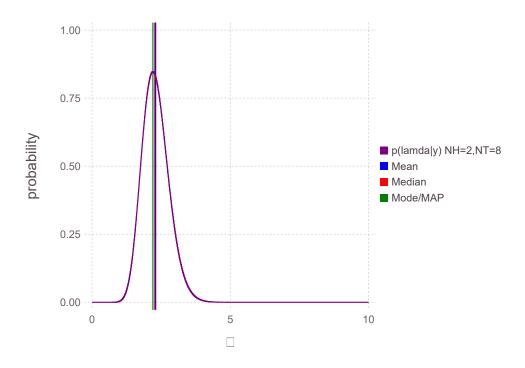
```
In [1]: using Distributions, Gadfly;
In [17]: d = Gamma(23,1/10);
In [18]: median_val = Base.median(d);
         mean_val = Base.mean(d);
         mode_val = Distributions.modes(d);
         print("Median: ")
         print(median_val)
         print("\n")
         print("Mean: ")
         print(mean_val)
         print("\n")
         print("Mode: ")
         print(mode_val)
         print("\n")
         Median: 2.2667539177878635
```

Mean: 2.3000000000000003

Mode: [2.2]

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Out[20]:



In [24]: 1 - cdf(Poisson(2.05),3)

Out[24]: 0.15200978018134315