Poisson Distribution #3

The number of calls coming per minute into a hotels reservation center is Poisson random variable with mean *3*.

(a) Find the probability that no calls come in a given 1 minute period.

(b) Assume that the number of calls arriving in two different minutes are independent. Find the probability that atleast two calls will arrive in a given two minute period.

Submission Modes and Output Format

You may submit either an R or Python program to accomplish the above task, or solve the problem on pen-and-paper. Your output should be two floating point/decimal numbers(as answers to 1st and 2nd questions respectively), correct to 3 places of decimal.

1. In the text box below, enter two floating point/decimal numbers(as answers to 1st and 2nd questions respectively), correct to 3 places of decimal.
2. Alternatively, you may submit an R program, which uses the above parameters (hard-coded) and computes the answer.

Your answer should resemble something like:

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9.123
8.345
```

(This is **NOT** the answer, just a demonstration of what the answering format should resemble).