Binomial Distribution #3

A manufacturer of metal pistons finds that on average, 12% of his pistons are rejected because they are either oversized or undersized. What is the probability that a batch of 10 pistons will contain

(a) no more than 2 rejects?

(b) at least 2 rejects?

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 separated by a line, correct to 3 places of decimal.

1. In the text box below, enter two floating point/decimal numbers, 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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0.123
0.456
```

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