

Binomial Distribution

#1

A blindfolded marksman finds that on the average he hits the target 4 times out of 5. If he fires 4 shots, what is the probability of

(a) more than 2 hits?

(b) at least 3 misses?

Submission Modes and Output Format

Your output should be two floating point/decimal numbers rounded to a scale of **3** decimal places (i.e., **1.234** format). There are two submission options:

1. Complete the challenge manually using pen and paper. Select *Plain Text* from the editor's language drop-down. Put the answer to question (a) on the first line and the answer to question (b) on the second line.
2. Hard-code the given parameters into a *Python* or *R* program that solves the problem, printing the solution to (a) on the first line and (b) on the second line.

Your answer should resemble something like:

```
0.123
0.456
```

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