# 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 probem, 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).