

# MWC '15 #6 P1: Regpo

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**Time limit:** 1.0s    **Memory limit:** 256M

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"public static void main string array args throws IOException", **atarw** muttered to himself while doing the Code Jam. He laughed for he knows he no longer has to type that. He mastered C++. With the unfamiliar brevity of code, he aced the contest. "Round 2", he thought. Things were going well for **atarw** until **aurpine** brought up the topic of math.

"Did you finish the regular polygon program?", **aurpine** asked.

**atarw** cursed. "What's that? Is that like regular expressions? Heh. Java..."

"Are you okay?", **aurpine** asked. "You've spent the last ten hours learning C++!"

"I *am* King Modulus after all."

"If you say so... But as a reminder, you had to make a program to find the exterior angle of a regular polygon with  $N$  sides to 6 decimal places."

"Does mod apply here?"

"No."

"`;`".

"Just google it."

"You noob!", **Hypnova** chimed in.

## Input Specification

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A single integer  $N$  ( $3 \leq N \leq 1000$ ).

## Output Specification

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The exterior angle in degrees of a regular polygon with  $N$  sides. Your answer will be accepted within an error range of  $\pm 10^{-6}$ .

## Sample Input

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3

## Sample Output

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## Explanation for Sample Output

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The exterior angle of a regular triangle is  $120^\circ$ .

## Epilogue

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"**aurpine** are you daydreaming again?!", his math teacher yelled.