Find Angle MBC

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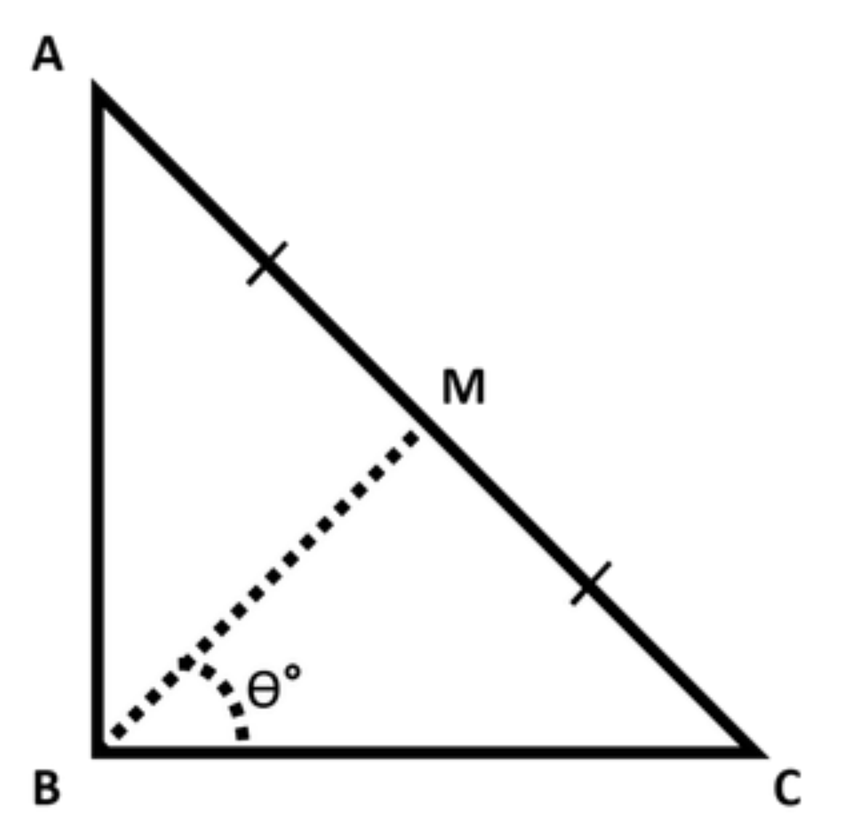

ABC is a right triangle, 90° at B.

Therefore, $\measuredangle ABC = 90^\circ$.

Point M is the midpoint of hypotenuse AC.

You are given the lengths AB and BC.

Your task is to find $\measuredangle MBC$ (angle θ°, as shown in the figure) in degrees.

Input Format

The first line contains the length of side AB.

The second line contains the length of side BC.

Constraints

- $0 < AB \leq 100$
- $0 < BC \leq 100$
- Lengths AB and BC are natural numbers.

Output Format

Output $\measuredangle MBC$ in degrees.

Note: Round the angle to the nearest integer.

Examples:

If angle is 56.5000001°, then output **57°**.

If angle is 56.5000000°, then output **57°**.

If angle is 56.4999999°, then output **56°**.

$0^\circ < \theta^\circ < 90^\circ$

Sample Input

```
10
10
```

Sample Output

```
45°
```

Author [deleted]
Difficulty Medium
Max Score 10
Submitted By 57506

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Change Theme Python 3

```
# Enter your code here. Read input from STDIN. Print output to STDOUT
import  math
a,b=int(input()),int(input())
hyp=math.hypot(a,b)
ang=round(math.degrees(math.acos(b/hyp)))
degree=chr(176)
print(ang,degree, sep='')
```

Line: 7 Col: 26

Upload Code as File

Test against custom input

Run Code Submit Code

You have earned 10.00 points!
30/115 challenges solved.

26%

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5

Compiler Message

Success

Input (stdin) Download

```
10
10
```

Expected Output Download

```
45°
```