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## Trigonometry

P37760\_en

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Write a program that reads a sequence of angles in degrees, and prints their sine and their cosine.

### Input

Input consists of a sequence of real numbers that represent angles in degrees.

### Output

For each given angle, print a line with its sine and its cosine. Print all the numbers with six digits after the decimal point.

### Observation

Use the procedures that your programming language already provides to compute sines and cosines.

### Sample input

```
90
450
60
10.5
```

### Sample output

```
1.000000 0.000000
1.000000 0.000000
0.866025 0.500000
0.182236 0.983255
```

### Problem information

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Generation : 2016-12-09 14:57:21

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