**Bearing**

Max Score:17

Hiroto is learning to fly an airplane. He is trying to fly in a straight line to Narita Airport **2500 kilometers away** at **bearing 030**. Suddenly, he is hit with a gust of wind from bearing *X*, with a speed of *Y* kilometers per hour.

Considering his plane is able to fly at *Z* kilometers per hour,

1. What bearing would allow him to travel in a straight line towards Narita Airport? (Bearing to be written normally, eg 000, 100, 050, 067)
2. How long would it take for him to reach Narita Airport?

**Input Format**

*X*: Bearing of Wind (000, 110, 250, etc) *Y*: Wind Speed (km/h) *Z*: Speed of Hiroto's Plane (km/h)

Example:

* 100
* 100
* 200

**Constraints**

000 <= *Bearing of Wind* <= 360

(Integer) The bearing his plane needs to take

(Float/real) Time taken for the journey (in hours, to 3 Significant Figures)

**Output Format**

*X*: Bearing of Plane

*Y*: Time taken to reach Narita Airport

Example:

* 002
* 11.9

**Sample Input 0**

100

100

200

**Sample Output 0**

002

11.9

**Explanation 0**

Input:

1. Bearing of Wind is 100
2. Speed of Wind is 100 km/h
3. Speed of Plane is 200 km/h

Output:

1. Bearing of Plane is 002
2. Time Taken to reach Narita Airport is 11.9 hours