Arithmetic Operators

*Extracted from:*HackerRank
Source file name: `arithmetic.py`
Time limit: 1

Read two integers from *STDIN* and print three lines where:

1. The first line contains the sum of the two numbers.

2. The second line contains the difference of the two numbers (first - second).

3. The third line contains the product of the two numbers.

Input

The first line contains the first integer a. The second line contains the second integer b.

The input must be read from standard input.

Output

Print the three lines as explained above.

The output must be written to standard output.

Sample Input	Sample Output
3 2	5 1 6

Explanation:
$3 + 2 = 5$
$3 - 2 = 1$
$3 * 2 = 6$