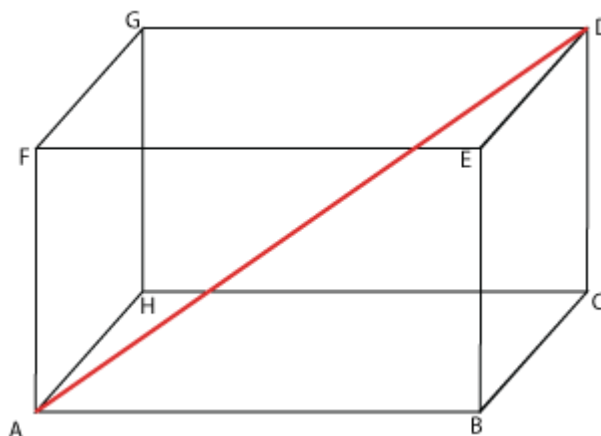


Box

Dev Skill team likes to test intelligence of internship candidates through various puzzle questions. One of such question was to ask the distance between two opposite corners of a box. A box is considered to be a 3D object and all its sides have 90 degree angle with the opposite plane – that is all sides creates 90 degree corner with its adjacent sides.



Please check the box above. All its corners are marked with letters 'A' to 'H' and a red line is drawn between 'A' and 'D'. In this problem you need to measure the length of AD. We will provide you 3 lengths AB, BC and CD. You need to measure AD as output.

Input:

Input starts with an integer **T** (≤ 30), denoting the number of test cases in first line of input.

Each test case will have 3 numbers separated by space in a line of its own, which denotes AB, BC and CD in sequence. All these 3 numbers are greater than zero and less than 1000. Number can be fractional as well but none of them will have more than 2 digits after the decimal place.

Output:

For each test case, print the length of AD in a line with up to 2 decimal places.

Sample Input	Sample Output
3	1.73
1 1 1	1.73
1.0 1.0 1.0	5.20
3.00 3.00 3.00	

Limits:

Language	Time	Memory
C	1 Second	50MB
C++	1 Second	50MB
Java	1 Second	50MB
C#	1 Second	50MB
PHP	1 Second	50MB