Daenerys Targaryen has 3 dragons. Each of them flies **u** meters each second. And their speed accelerates **a** kilometers each second. If they want to cross **s** meters of land and attack king's landing they will have to fly for **t** seconds.

Given **u, a, s** can you help Danny find the value of **t**?

Input:

An integer **T (1 <= t <= 100)** as test case no.
T lines follow.
Each line has 3 integers.
u, a, s (1 <= u, a, s <= 10^18)

Output:

For each test case output one number **t** up to **6** decimal places.

Sample I/O:

Input	Output
1 3 4 5	Case 1: 1.000000