You were rummaging around your closet looking for pants when you fell into a time warp. Now you are back in highschool! You have to do your homework (again). Luckily, you know how to do this stuff!  
At the time, you were taking Algebra. You are too lazy to do the work out a second time, so you write a program to do it for you.  
Your assignment is simple. You are working with quadratics and must solve for "x".  
Given an array coefficients, return an array of answers in increasing order, rounded to the nearest hundredths place.

***Note***  
3.0 IS NOT the same thing as 3.00. We are looking for the former.

**Example**  
For coefficients = [1, -4, 4], the output should be  
highschoolThrowback(coefficients) = [2].

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] array.float coefficients**

*Guaranteed constraints:*  
coefficients.length = 3,  
-105 ≤ coefficients[i] ≤ 105.

* **[output] array.float**

An array of answer(s), sorted and rounded to the nearest hundredths.

**[C#] Syntax Tips**

// Prints help message to the console

// Returns a string

string helloWorld(string name) {

Console.Write("This prints to the console when you Run Tests");

return "Hello, " + name;

}

<https://codefights.com/challenge/i4TuixjTHTDTFZ3nZ/solutions>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp4

{

class Program

{

//static int shortestSolutionLength(string[] source)

//{

// string copia = "";

// foreach(string elem in source)

// {

// copia += elem;

// }

// int sum = 0;

// if (copia == "/\*")

// {

// copia = "";

// }

// if(copia =="\*/")

// {

// copia = "";

// }

// if(copia == "//")

// {

// copia = "";

// }

// if(copia == "/\*\*/" || copia == "\*//\*")

// {

// copia = "";

// }

// if(copia == "/\*//" || copia == "///\*")

// {

// copia = "";

// }

// if(copia =="\*///" || copia == "//\*/")

// {

// copia = "";

// }

// int ini = copia.IndexOf("/\*");

// int fin = copia.IndexOf("\*/");

// int doble = copia.IndexOf("//");

// while (ini > -1 || fin > -1 || doble > -1)

// {

// ini = copia.IndexOf("/\*");

// fin = copia.IndexOf("\*/");

// doble = copia.IndexOf("//");

// if (ini > -1)

// {

// if (doble > -1)

// {

// if (ini < doble)

// {

// copia = copia.Remove(ini, fin - ini + 2);

// // copia = copia.Replace(" ", "");

// }

// else if (doble < ini)

// {

// copia = copia.Remove(doble);

// // copia = copia.Replace(" ", "");

// }

// }

// else if (doble == -1)

// {

// copia = copia.Remove(ini, fin - ini + 2);

// }

// }

// else if (ini == -1)

// {

// if (doble > -1)

// {

// copia = copia.Remove(doble);

// // copia = copia.Replace(" ", "");

// }

// else

// {

// //copia = copia.Replace(" ", "");

// }

// }

// }

// copia = copia.Replace(" ", "");

// sum += copia.Length;

// return sum;

//}

static double[] highschoolThrowback(double[] coefficients)

{

double a = coefficients[0];

double b = coefficients[1];

double c = coefficients[2];

List<double> res = new List<double>();

res.Add((-b + ((Math.Sqrt((b \* b) - (4 \* a \* c))))) / (2.0 \* a));

res.Add((-b - ((Math.Sqrt((b \* b) - (4 \* a \* c))))) / (2.0 \* a));

res.Sort();

// res = res.Distinct().ToList();

double[] ans = new double[2];

ans[0] = Math.Round(res[0], 2);

ans[1] = Math.Round(res[1], 2);

ans = ans.Distinct().ToArray();

return ans;

}

static void Main(string[] args)

{

// string[] source = {"int a = 2;",

//"int b = 47;/\*37;\*///41;",

//"int c = 3/\*4//5\*/;",

//"return a / b \* c/\*a /\* b / c\*/;" };

//string[] source = {"var a = 2;",

// "/\*",

// "var b = 2;",

// "if (a === b) {",

// " b = a + 1;",

// " //b = a \* 2 - 1;",

// "}",

// "\*/",

// "var b = 3;",

// "return a \* b;" };

//string[] source = {"var a = 2;",

// "/\*",

// "var b = 2;",

// "if (a === b) {",

// " b = a + 1;",

// " //b = a \* 2 - 1;",

// "}",

// "\*/",

// "var b = 3;",

// "return a \* b;" };

//Console.WriteLine(shortestSolutionLength(source));

double[] coefficients = { 1, -4, 4 };

foreach(double d in highschoolThrowback(coefficients))

{

Console.Write(d + " ");

}

Console.ReadLine();

}

}

}