**Problem Set 1 Exercise #11: Root of Linear Equation**

**Reference:** Lecture 2 notes

**Learning objective:** Writing methods

**Estimated completion time:** 20 minutes

**Problem statement:**

In algebra, we have studied that second degree linear equations always have two roots.

Write a program **PS1_Ex11_Root.java** that reads three coefficients $a$, $b$, $c$ representing the equation $ax^2 + bx + c = 0$, prints out the bigger one between its two roots. You may assume that both roots are real numbers in all the test cases.

Your program should define a method **getRoot()** that takes three coefficients and returns the bigger root.

Correct your output of real number to two decimal places.

**Sample run #1:**

```
Enter coefficients (a b c): 1 -8 15
Bigger root is 5.00
```

**Sample run #2:**

```
Enter coefficients (a b c): 2 7 3
Bigger root is -0.50
```