

Problem Wk.4.1.2: More complex

Try testing your solution to the previous problem with arguments `quadraticRoots(1, 2, 3)`. You'll get an error because the roots of the quadratic equation with those coefficients are complex.

Python actually has complex numbers as a primitive data type. There are two ways to make a complex number:

```
>>> complex(1, 2)
(1+2j)
>>> 1+2j
(1+2j)
```

If you want to get the parts out of a complex number, you can do the following:

```
>>> thing = complex(1, 2)
>>> thing.imag
2.0
>>> thing.real
1.0
```

You're probably used to using i for $(-1)^{0.5}$. Just to confuse you, we're going to use j instead. Why? Because to an electrical engineer, i stands for current, and there's no arguing.

Now, write a new procedure `quadraticRootsComplex(a, b, c)` that computes quadratic roots, as before (including the $a=0$ case), but works on any real arguments and returns complex roots if necessary.

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