Homework 3

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Excercise 15: Develop an algorithm that takes in three real numbers a,b and c with a 0 and determines the number of distinct real roots of the quadratic polynomial.

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##Excercise 15

## Initiliaze variables a, b and c
a=3
b=8
c=4

## Find the amount of real roots, assign that value to real_roots_count
if (b**2) - (4*a*c) > 0:
  real_roots_count = 2
elif (b**2) - (4*a*c) == 0:
  real_roots_count = 1
else:
  real_roots_count = 0

## Print out the result of real_roots_count
print(real_roots_count)
```

```
2
```