Math 104A - Homework Example

1 In this problem, suppose that you were asked to find a zero of the function $f(x) = x^2 - 1$ using the bisection method. You should say something like this:

Using the bisection method (see attached code) and the following command:

```
>> bisection_method('x.^2-1',0,1.5,1000,0.0001)
```

I got:

```
ans =

    1.000030517578125
```

Now, it's okay if the above part is handwritten, but your code must be printed. It should be attached like it is here, at the end of the homework.

Code

```
function p = bisection_method(fstring,a,b,N,TOL)

    % code for your bisection method goes here.

end
```