

# BEE 4750/5750 Homework 0

Your name here (your netID here)

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## Problem 1

### Problem 1.1

```
julia> function square_number(x)
        return x^2
    end
square_number (generic function with 1 method)

julia> x = 5
5
```

### Problem 1.2

“We can see that  $x^2 =$  Error: syntax: extra token”number” after end of expression.” ##

Problem 1.3 f = square\_number;

using Plots

plot(f,-10,10, title=“X squared”,xlabel=“x”, ylabel=“y=  $x^2$ ”) # Problem 2

Problem 2.1

Problem 2.2

**Problem 3**

Problem 3.1

Problem 3.2

Problem 3.3

Problem 3.4

**Problem 4**

Problem 4.1

Problem 4.2

Problem 4.3

**References**