BEE 4750/5750 Homework 0

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2022-08-31

Problem 1

Problem 1.1

Problem 1.2

The function says that $\$5^2 \$ = 25$

Problem 1.3

```
julia> x= LinRange(-10,10,100)
100-element LinRange{Float64}:
    -10.0,-9.79798,-9.59596,-9.39394,...,9.19192,9.39394,9.59596,9.79798,10.0

julia> plot(x, square_number(x)) # problem: trying to pass a vector to square_numbee
Error: MethodError: no method matching *(::LinRange{Float64}, ::LinRange{Float64})
Closest candidates are:
    *(::Any, ::Any, !Matched::Any, !Matched::Any...) at operators.jl:560
    *(!Matched::LinearAlgebra.UniformScaling, ::AbstractVecOrMat{T} where T) at /Users/jr
    *(!Matched::LinearAlgebra.Transpose{var"#s814", var"#s813"} where {var"#s814", var"#s814".
```

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