# ECE/MAE 5310

## Useful MATLAB Commands

### for Root Locus

### The Laplace 's'

$s = tf('s')$

### Making a Transfer Function

$G = (s+1)/(s+10)$ ← Insert your transfer function here

↑
name it what you want to name it

$G = zpk(G)$ ← change it into a factored form

### Plotting a Root Locus and Finding the Parameter of Interest at an

#### Operating Point

rlocus(G)
↘
rlocfind(G) (after)