Examples of frequently used Matlab-commands

syms a

A = [a b c; d e f; g h i]

[a,b] = eig(c,d)   (use polyeig for damped systems)

a = diag(b)

a = sqrt(b)

a = symsum(b,c,d,e)

plot(a,b)

ezplot(a,[b c])

title('a')

legend('a','b','c')

xlabel('a')

ylabel('a')

axis([a b c d])

a = b^2

for a = 1:10
    d(a) = (here is included a function of a)
end

a = eye(b,c)

a = zeros(b,c)

a = inv(b)

a = abs(b)

a = angle(b)

a = sort(b)

a = real(b)

a = imag(b)