>> diary on

>> %Nicholas Fong

>> %1/9/17

>> a = [ 1 2; 3 4; 5 6]

a =

1 2

3 4

5 6

>> b = [3; 4]

b =

3

4

>> c = a\*b

c =

11

25

39

>> a = [3 4 5;1 -3 1; 10 1 -1]

a =

3 4 5

1 -3 1

10 1 -1

>> b = [2;6;-2]

b =

2

6

-2

>> ainv = inv(a)

ainv =

0.0097561 0.0439024 0.0926829

0.0536585 -0.2585366 0.0097561

0.1512195 0.1804878 -0.0634146

>> x = ainv\*b

x =

0.097561

-1.463415

1.512195

>> y = a\b

y =

0.097561

-1.463415

1.512195

>> number = 25;

>> for i = 1:4

number = sqrt(number);

end

>> number

number = 1.2228

>> number^16

ans = 25.000

>> exit



