1)

n=10; s1=0; s2=0; s3=0;

for i=1:n

A=(i-1).\*sin(3.\*i);

B=(i+2)./cos(3.\*i+2);

s1=s1+A.^2;

s2=s2+B.^2;

s3=s3+A.\*B;

end

ma=sqrt(s1);

mb=sqrt(s2);

c=s3./(ma.\*mb);

s=sqrt(1-c.^2);

S=ma.\*mb.\*s

2) A=[2.52 3.2 0.4 5.14; 0 -18 -8.43 -4; -3 7.56 -22.6 4; 1 10 -4.55 0]

m0=zeros(4,4);

m1=ones(4,4);

mr=rand(4,4);

me=eye(4);

E=max(A);

Q=max(E);

E1=min(A);

Q1=min(E1);