a=[3 1 7 4 6]

a =

 3 1 7 4 6

a(3)

ans =

 7

a(3)=9

a =

 3 1 9 4 6

a(3)=7

a =

 3 1 7 4 6

length(a)

ans =

 5

a(1)+a(3)

ans =

 10

x=1:5

x =

 1 2 3 4 5

y=0:0.5:2

y =

 Columns 1 through 5

 0 0.5000 1.0000 1.5000 2.0000

4:-2:1

ans =

 4 2

4:-2:6

ans =

 Empty matrix: 1-by-0

whos

 Name Size Bytes Class Attributes

 a 1x5 40 double

 x 1x5 40 double

 y 1x5 40 double

a

a =

 3 1 7 4 6

z=[a x]

z =

 Columns 1 through 10

 3 1 7 4 6 1 2 3 4 5

z=[a 3 x 7]

z =

 Columns 1 through 12

 3 1 7 4 6 3 1 2 3 4 5 7

clc

a

a =

 3 1 7 4 6

a(2:4)

ans =

 1 7 4

a(length(a):-1:1)

ans =

 6 4 7 1 3

a(3:5)

ans =

 7 4 6

a(3:end)

ans =

 7 4 6

a(end:-1:1)

ans =

 6 4 7 1 3

d=[ 4 a(2:4) x(2)]

d =

 4 1 7 4 2

f=4

f =

 4

d=[ f a(2:f+1) x(2)]

d =

 4 1 7 4 6 2

a

a =

 3 1 7 4 6

x

x =

 1 2 3 4 5

a(3)=[]

a =

 3 1 4 6

a=[a(1:2) 7 a(3:4)]

a =

 3 1 7 4 6

x

x =

 1 2 3 4 5

x(1:2:5)=[]

x =

 2 4

a([5 1 3])

ans =

 6 3 7

a

a =

 3 1 7 4 6

sum(a)

ans =

 21

max(a)

ans =

 7

sort(a)

ans =

 1 3 4 6 7

-sort(-a)

ans =

 7 6 4 3 1

clc

n=1:7;

n=factorial(n)

n =

 Columns 1 through 7

1 2 6 24 120 720 5040

e=1:7;

d=2.^e

d =

 2 4 8 16 32 64 128

%Ejercicio en pizarra

clc

n=1:7;

n=factorial(n);

e=1:7;

d=2.^e;

t=n./d;

s=sum(t)

s =

 57.6250

t(2:2:end)=-t(2:2:end)

t =

 Columns 1 through 7

 0.5000 -0.5000 0.7500 -1.5000 3.7500 -11.2500 39.3750

s1=sum(t)

s1 =

 31.1250

%mostrar los elementos mayores a 3

a(a>3)

ans =

 7 4 6

a>3

ans =

 0 0 1 1 1

y

y =

 0 0.5000 1.0000 1.5000 2.0000

y(a>3)

ans =

 1.0000 1.5000 2.0000

%posiciones de los >3

k=[3 0 1 0 0 7]

k =

 3 0 1 0 0 7

find(k)

ans =

 1 3 6

find(a>3)

ans =

 3 4 5

a

a =

 3 1 7 4 6

a(4)=7

a =

 3 1 7 7 6

a

a =

 3 1 7 7 6

[m i]=max(a)

m =

 7

i =

 3

find(a==max(a))

ans =

 3 4

j=find(a==max(a))

j =

 3 4

a(j)=a(j)+5

a =

 3 1 12 12 6

a(a==max(a))= a(a==max(a))+5

a =

 3 1 17 17 6