080PC 85 = PERFOR + 67 Mig & 5 - 6 mig

VECL = COA

a stranspare

E = (E1)0

8.6000

0(2,3)=4=(3,2)0

concles, away (= (0) 200)

MATLAB.

clc -> clean the series

If you we ";" it will supposen the autput

"x" is used to sonvert the line into immont.

Bardene.

capenent > multiply, division > addition, subtraction.

trigir of the

if brackets one there then braceto will be excuested try.

$$\frac{1}{2+3^2} + \frac{1}{5} \times \frac{6}{7} = 0.7766.$$

Default no of decimal is 4 places. (format short)

to inoceare thoughthe no of derplaces une format long.

eapla) => ex

+ nogrt(x)=) \( \int \)

log(2)=) logex

lugio(x) =) 1001, oc

pi =) 3.1416.

in = > 00

abs(x) = ) absolute value

(ign(x) => gives +4+vg, -1 i4-ve, oi40

(eil (1.393) = 2

1100r (1.333) =1

```
a=5;0x=2)4=8
Son: 9= e * sin (x) + 10+x Jy = 28.29084
                                     1200×121 11 11 180522 - 200 6
   Raw matrix
                     topico est managera decele to our confest
   b=[1,2 3 w]
   6 = [1; 2) 3; 4] => column use (doub)
   b(1) = 1
                                                · archiver?
    b(3) = 3 retains action < animals, physiken < tempre
   b(1:3)=123
    6(:) = 1234
                              their of yel
    a=[123; 456; 48 qu) north worth own abouting is
    0 = 1
                              99220 - 5 × 4 + 5 E : 12005
   det (a) =) determinant on of a charge of a charge (= (a) tob
   inv(a) =) inverse mu wanty mb to on offered account of the
   a = stranspare
                                             * > (clops) x
   singe (a) =) grows, colums.
                                             x) (=(x) type +
   01(1,3) = 3
                                           s pal (= (x)pal +
   a(2,:) = 4 56
                                          o jook ( Cooput).
   a(:,3) = 3
                                               Dist = 13 1416
                                                    actility
                       (antimudir pg -6 shorthdasis 1-00 cm &
                                - file (24) fix camp or (x) apply
                                             8 = (cge1) 401 to
                                             (= (2881) wolf 4
```

(alcalus lab-1 (continuation) 21/9/2021 diag(A) =) diagonal element A= 1 2 3 4 5 6 doag (A) = 1.59 7 89 eye (2,3) =) gives identity matrix of ord 2x3. percos(2, 3) =) gives motion full of years ones(3) =) gu matris jull of ones. rand(2,3) => giver a matrix of random elements. B= [10 20 30; 40 50 60; 70 80 90] A+B = ) addition of matrix ristory be subspately (= 8 - A A+B => multiplication of matrix A. +B = ) multiplication demont du cose (dut produt) X = inv(A) \*B for solution. A'2 =) Squeried the matrix A. 2 => Squan of individual aliments. LAB-2 brothled of m plot (2,4) =) plots the graph x = 0 = pi/100 : 2 \* pi

step value

21 N with

0

phot (x,y) =) third argument when [plot (x,y,'x')] graph

Xbalel ("") -1 1-1111 abold ("") => labeling & ands y label (' 1) => labeling y ascis title (' 1) = Stidle of the graph. linspace (start, stop, number of values) =) It produces equally story to start and no of values to be produ

Prob! Draw a will with untre (1,3).

hold on = ) it is used to plot different weres on the rame template. render trueffet po equirus brought works of besses is le (= 1) bright

subplot (2,2,1) => It is a function which is used to plot Scholak (83) different survey in the form of matrixe

plot 3(x,4,2)=1 3d plot ramet 3(2,4,2) => It traces the path of the curve

5/19/2021 CALCULUS LAB

syms => keyword to initiallie wriather without value diff (a,b) =) differentiating a word b. solve (00) =) solves the junction. double () = ) preferable data Legge.

Jost i = estant >: cincrement >: < no of vorat > = ) last line serve end action block

reductified as Airling noitoning to at IE (= (100 (x (xxt)) reduct.) inthe sub with c(i)

spould (= > tomosting print.

if (corditi):