Point representation! The definition of a specialic point deputs outation coming Variety of Parameter such as the number of bits for each component , the base of Exponers, the dange and depresentation of the significant and of the exponenty Grampse

Vertor representation:

verser aux genometric dispussemention of magnitude and direction which are often depresented by Straight acrows, stating at one point on a Coordinate axis and ending to different point.

or = (2,3).

matrice and its obehation

Matrix is a set of numbers arranged in hour and thung so as to your en nevargular array metrice order mxn.

A = [and api]

matrice operator & Addition, subtractor, in whileton,

Vector addition.

versor additions mean putting two or more vertor together

AB = a and BC = B 2+1 - AB+ BC = AC subtraction 2-6 = 2+(-6)

Multipli Cation

product of vertoy 1) States or dotherodur @ veux or lever Peroduct X. w of and if one two rector they 2.6 = 121 121 cono रे कें = वि कि । जंगक न

It of in a revol and I is a sleder, then IT is a rector Statas Number curer at and B and & and our component four. Scalar persons. $\vec{a} = a_1 \hat{i} + b_1 \hat{i} + c_1 \hat{k}$ $\vec{b} = a_2 \hat{i} + b_2 \hat{i} + c_2 \hat{k}$ 2. 3 = a, a + bi b 2 \$ (1.62 verse revolut

axis - 13 3 6 61 C1

ax bx (2) る:一十二十十二十七十九 7.6 = (2x-1) + (1x1) +3x1 = -1 + 2+3=3 = 3 (18-6) -- 3 (2+3) + 2 (4+1) = -5î -5î +5k Equation of line parametric distance form (NOW) SOLVEN M-11 = y-11 = y coro Gino where I is the distance of Point (4,18,1) and (u,y) y-41 = 8 J N-VI=Y COND [N= VI VI + LOND) y-y = + sing Ty = y1+8 sing

4 A line passes though the point (3) 4) and make any 60° along x-axis. find the coordinates of lines while dies or die on a distance 5 unit from given point, E (3,4),0=63,8=5 find:- N=? Equation of line in distance / tras parameter form M-U1 = y-y1 = Y N-3 = y-14 = 5 - 4 = 55in 60 h-3=500 68 y = 503 +4 N= 5 +3 [h = 12] -. Point is (11) 553+4). Parametric ofoun of conics P(4,9) (i) Palametric four of Circle, 12+9= a2. Join of and let make a angle o man pm Perpendi wer to x-axis from a y=MP = asiho Thus coordilates of any point on the given and (alono, a sino). then ha = coro, ya = sino -0 squering and adding 1 and 0 12 + 42 = Con 0 + sina = 1 wity= ar The equation to circle with Centre (0,0) and radis a week.

circle equation with centre.

12 ty + 2 gu + 2 ty + 1 =0 centre (-9, -F)

Padin (a) = 5° ty - (

2 texcept on x = 25° ty - (

Therefore on y = 25° ty - (

Parametric yound parabola y = 4ax

Foun x = a

Biretino x = A

ans u-xaxis i.e y = 0

restex (0,0)

Length of Jachum Return = 4a

Parametric equiconstrate

(x = at², y = 2at)

Ellipse

| h^2 + y^2 = 1. (a>b)

| e=J1-b^2 a^2

| folio 8 (± a e, 0)
| Directix x = ± a e
| directix x = ± a e
| directix x = ± a e
| Directix x = 2a e
| Directix x = 2a e
| Leighnob major axin= 2a
| Leighnob minoraxin = 2b
| parametric yor
| x (a coo j b sino)
| Leighnob Jarus Rectum = 2b²
| a

· parametric of physicalsola.

 $e = \int \frac{b^2}{4\pi^2}$ $e = \int \frac{b^2}{4\pi^2}$

parametric coordinates
(a sec 0) brand).