Team-G

1) : y, x2-x1 y1+ x1-12 y2

so for as a we have

20 (2-E) (6) + 5 E

$$4^{2}\left(\frac{3-2}{3-0}\right)^{2}+\left(\frac{0-2}{0-8}\right)^{4}$$

often from lation

Instation around &-anis. ( Y = 90')  $\begin{bmatrix} 3 \\ 6 \end{bmatrix} \begin{bmatrix} 60190 & -8in90 & 0 \\ 8in90 & con90 & 0 \end{bmatrix} \begin{bmatrix} 7 \\ 2 \\ 2 \end{bmatrix}$ = [ -3] notation to around y-anis [3] [ co 90 0 Sin 90] [3] [ 2 90°)

= 
$$\begin{bmatrix} 2 \\ 3 \end{bmatrix}$$
  $\begin{bmatrix} 0 \\ -1 \\ 0 \end{bmatrix}$   $\begin{bmatrix} -\frac{3}{2} \\ \frac{7}{2} \end{bmatrix}$ 

$$= \begin{bmatrix} 2+4\\ 9-3\\ 1+7 \end{bmatrix}^{2} \begin{bmatrix} 4\\ 10 \end{bmatrix}$$

in Homogeneous = 
$$\begin{bmatrix} 6 \\ 4 \\ 10 \end{bmatrix}$$
 =  $\begin{bmatrix} 16 \\ 4 \\ 10 \end{bmatrix}$ 

P =  $\begin{bmatrix} 100000 \\ 01000 \\ 01000 \\ 000010 \end{bmatrix}$ 

P =  $\begin{bmatrix} 100000 \\ 01000 \\ 01000 \\ 000010 \end{bmatrix}$ 

P =  $\begin{bmatrix} 100000 \\ 01000 \\ 01000 \\ 01000 \\ 01000 \\ 01000 \\ 01000 \end{bmatrix}$ 

P =  $\begin{bmatrix} 100000 \\ 010000 \\ 010000 \\ 010000 \\ 010000 \\ 010000 \\ 010000 \\ 010000 \\ 010000 \\ 010000$ 

900 176 176 113 124 121 234 257 263 197 199 128 J(n) 2 \_ (n-p)^2/26-2) 6 21 Code in Jupytes notebole.  $\begin{bmatrix} 4 \\ 7 \end{bmatrix} = \begin{bmatrix} 4 \\ 7 \end{bmatrix} = \begin{bmatrix} 4 \\ 7 \end{bmatrix}$ = \[ \langle \langle \frac{4}{7} \rangle \frac{4}{7} \rangle \frac{4}{7} \rangle \frac{4}{7} \rangle \langle \frac{4}{7} \rangle \frac{4}{ 

Men wo-dinales.  $\left(\begin{array}{c}2+8\\3+0\\3+5\end{array}\right)$ .  $\left[\begin{array}{c}10\\14\end{array}\right]$   $\left[\begin{array}{c}10\\14\end{array}\right]$   $\left[\begin{array}{c}10\\14\end{array}\right]$   $\left[\begin{array}{c}10\\14\end{array}\right]$ [20] in Monogeneous. 20 20 20 20 1 98-185-181- J202+62+282 10 p = 10 f py ] 2 [1050 0 10] (-45- Fr) 1050 rashido frotas 3 (2, 21) T lego. (E,S) and MIM +1

21725 30 42-54+720 To find intersection possil- fiesst have oros product of (1,1,-5) T (4,-577) T 1 1 250 2 -18î - 27j - 9 K point of intos ection in home coordinate = (-18, -27,-9)

2) (2,21)) The so in Evolidean
it will be (2,3) T

(i) lines will be parallel in Eudidean plane.

They inters sect at the vanishing point.

$$(-10^{1})$$
  $(-2-2)$   $+ \hat{k}$   $(6-6)$