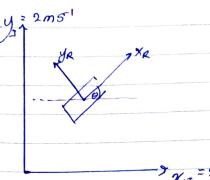
01)



13/2

0=tar (3) = 33.7°

1 x2=3m51

 $\begin{array}{cccc} \cos\theta & 3 & \sin\theta & \frac{2}{13} \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & \\ & & \\ & & \\ & \\ & & \\ & \\ & & \\ & \\ & & \\ & \\ & & \\ & \\ & \\ & & \\ & \\$

ye =0

 $C = \begin{bmatrix} \cos \theta & \sin \theta & 0 \\ \sin \theta & \cos \theta & 0 \end{bmatrix} \begin{cases} \chi_1 \\ \chi_2 \\ \chi_3 \\ \chi_4 \\ \chi_5 \\ \chi_5 \\ \chi_6 \\ \chi_6 \\ \chi_1 \\ \chi_2 \\ \chi_3 \\ \chi_4 \\ \chi_5 \\ \chi_6 \\ \chi_6 \\ \chi_6 \\ \chi_1 \\ \chi_2 \\ \chi_1 \\ \chi_2 \\ \chi_2 \\ \chi_3 \\ \chi_4 \\ \chi_5 \\ \chi_5 \\ \chi_6 \\$

 $\begin{bmatrix}
0.832 & 0.555 & 0 \\
-0.555 & 0.892 & 0 \\
0 & 0 & 1
\end{bmatrix}$

xp = 0.832x3+0.555x2+0x1

= 3.606 m51

ya = -0.555 x 3 + 0.832 x2 + 0x1

2 -0.001

~ *O

20 +180

when apposite, Q = (180° + 0)

6)

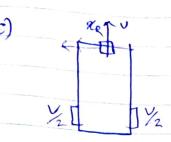
En = 210)ER

$$\frac{1}{6} \int_{0}^{1} \frac{\cos(180+0)}{\sin(180+0)} \frac{\sin(180+0)}{\sin(180^{\circ}+0)} 0 \frac{3}{2}$$

VZR=(-8.32+3)+(-0.555x2)

Vya 20

TORKATION IS THE BEST MUSS THEM





NR/2 = 3ms

d=3x153m

1/2 = VWR

XR = 2000 R

 $\frac{UU}{2} = \frac{y_R}{2r}$ $\frac{2r}{2 + 1.5 \times 15^2 \text{ rod}} = 1$ $\frac{2 \times 1.5 \times 15^2 \text{ rod}}{2 \times 1.5 \times 15^2 \text{ rod}} = 1$

ud= 100 rads 31