

30xk + 40z, -30z = -97.27 + 129.63

Equaling the coolf.

30x = 0

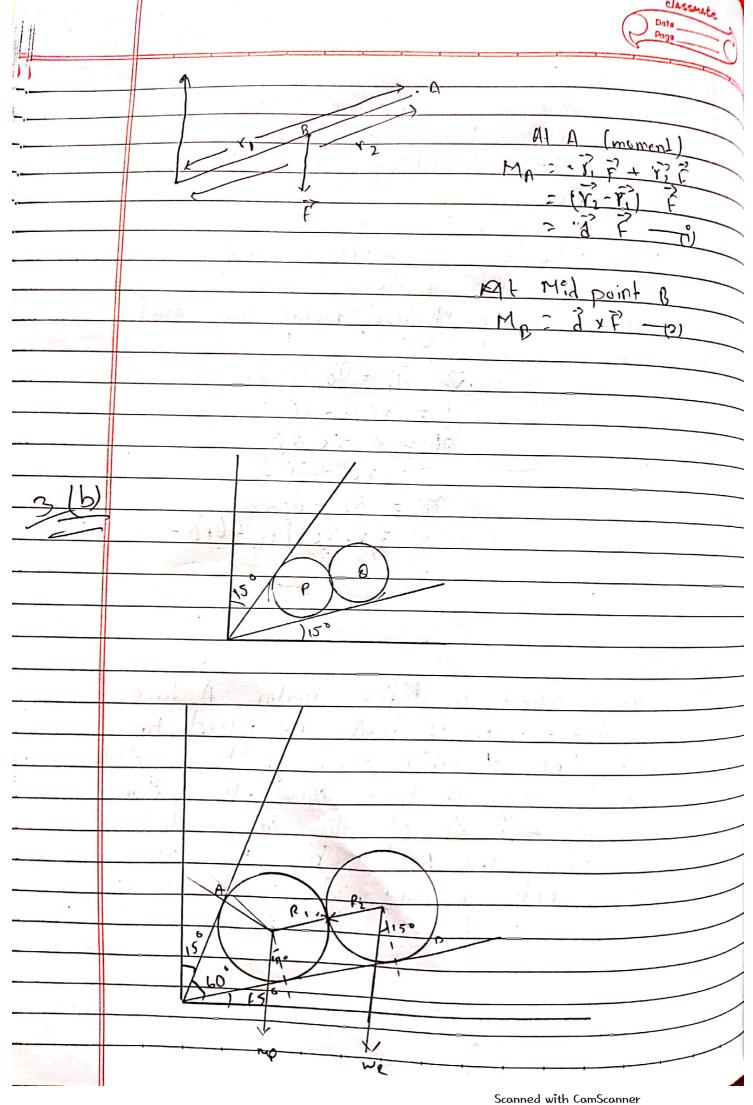
ξ. χ = 0

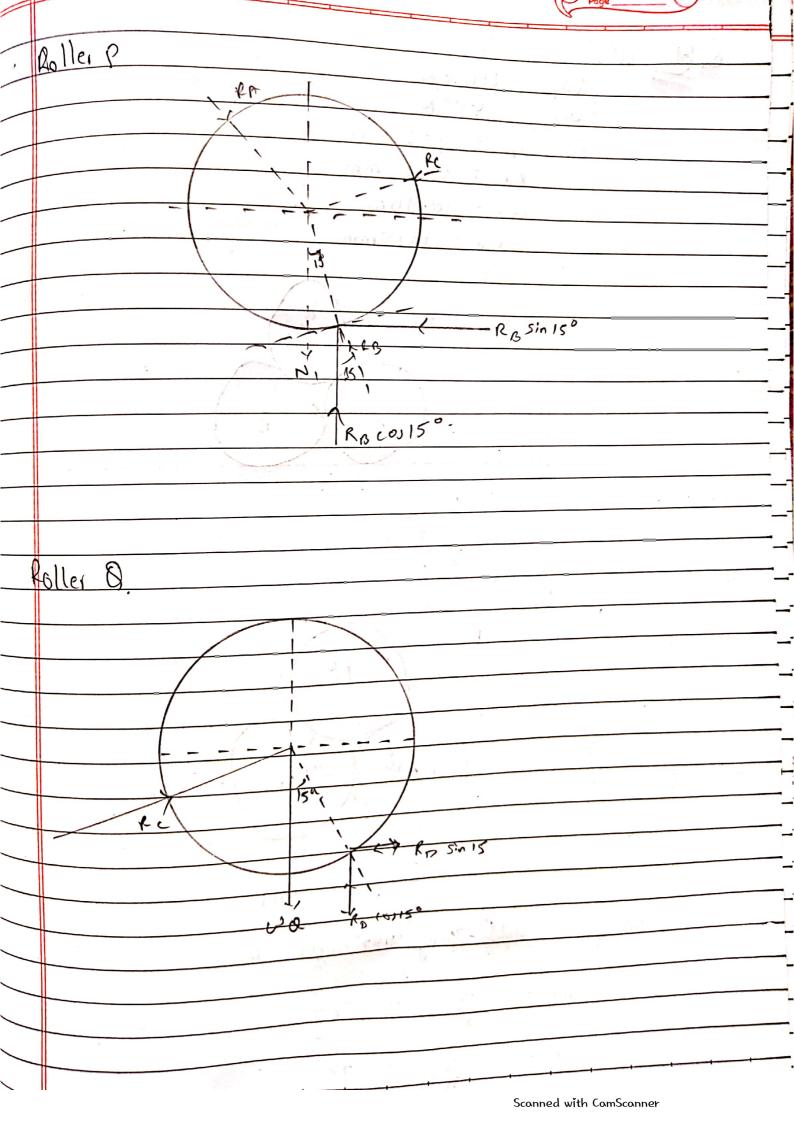
-30 zi- +97.2? 3.2 = 3.24.

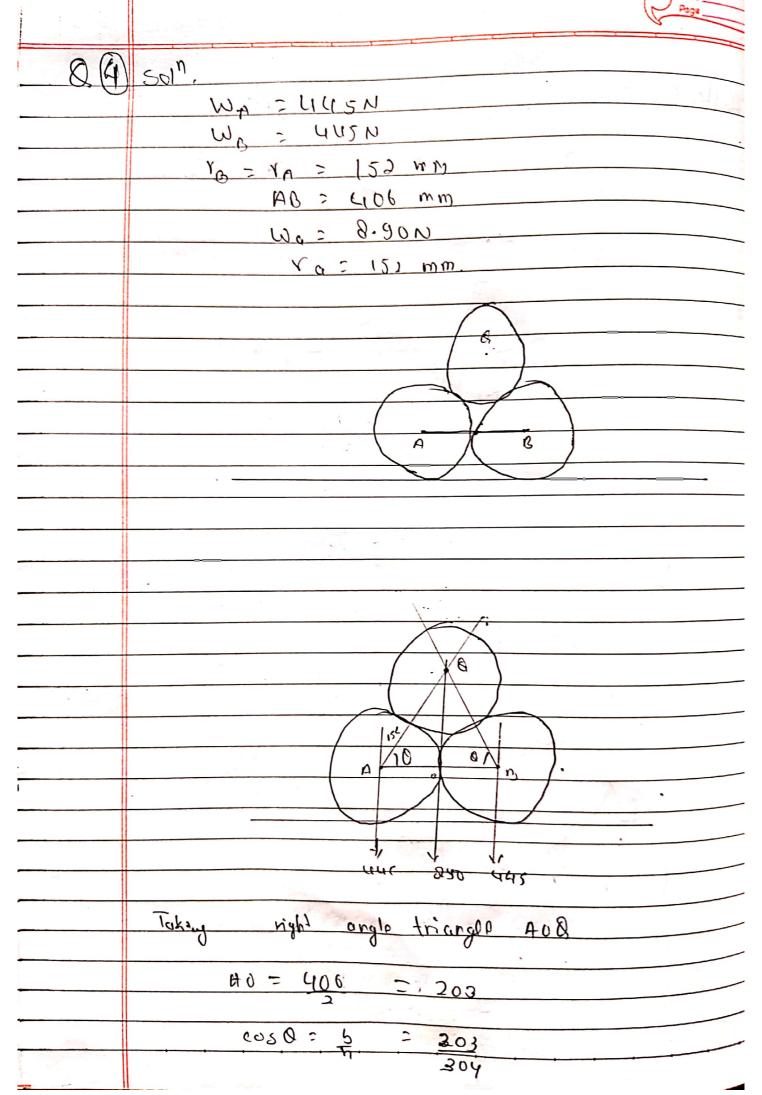
 $\vec{x} = 3.24$ 

-: A, = 187.27 + 140.47

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	Page
0.	ans the door
	The sub division of mechanics that is
	concerned with the force that act on badies
	culte à static
	The subdivision of methanics that is
	concerned with the tention of male of 1
	in relation to the physical factor that after
	them too.
	$\vec{\nabla} = \vec{1} \vec{0} + \vec{1} \vec{0}$
	= xex + x0.60
	$\alpha_r = \gamma - \gamma \theta^2 \alpha \theta$
	= YO +2 YO
	$C' = \bar{c}(+C_0)$
	+ v-ro2)ex+(r0+2r0)e
0.	N.3) (a)
	To be all of a children vector 11 torce
	and a letter of the text of th
	THE THE PROPERTY OF THE PROPER
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	1 Oce - AI CATION OF
	close specific sport like where they are
	stiding vertor The penters and long as its is
_	Stiding vertor The point where they are upplied is not important and long as its is in their line of action.
_	their line or action,











by lamis theorem

Ra = Rf = 0 Sin 0138.1 Sin 189.1 Sin 83.8

RG= Rf = 597.6N.

MOW, & fx = 0

-5928.(0) 48.1 + 592.8 (0 48.1=0

Fg = 0

RA+RB -597-8 sinu8.1 - 597-8 san 48.1 -

445-0

-. Ri=Ro . 2Rq = 890+444.94 RA = 667.47N=RBH

	0,2)	501°,
	-	speed (Va) = 211 km/hr
		(ongth (m,) 7 39 m
_	n = 10	cicle. (m <sub>2</sub> ) = 2.7 m/s <sup>2</sup>
_		time (mg) = Bucc
		· · · · · · · · · · · · · · · · · · ·
		Up = 211 KN/hr
_		= 6.67 m/s. A2.182 5 18 .004
_		an = 0 (sinco velocity (onst.)
_		Nou,
_		XA = (NA) + VAT
		= 0+6.67 × 8
_		= 53.36 m
_		ię:
_	- 1,	$\vec{x}_{a} = \vec{x}_{A} = 53.36 (-5)$
_		The state of the s
	Ý	ar auto mobile 'B'
_	· Y	1. 4. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
_		$\sigma_{g} = -2.7  \text{m/s}^2 = 2.7  \text{m/s}^2 (4)$
_		
		Vo = (Vo) + cd = 0 + (-0.7) × 8
		= 21.6 mls (11)
_	•	No.
_		nou,
_		ys= (ys) + (Up) ot + 2 cot 2
_		
_		= 16.57+ 0×8+ +x(-2.7) x82
_	;	$\approx -93.07 \text{ m}$
_		
		ys = r3 = 93.07 m (V)

Page
motion of B relative to A
$V_{O/P} = V_{O}^{2} - V_{A}^{2} = -93.07_{1}^{2} - 53.36_{2}^{2}$
$\sqrt{c_{1/2}} = \sqrt{(93.07)^2 + (-53.36)^2}$ $= 107.28 \text{ m}$
$\propto = + cn^{-1} \left( \frac{93.67}{53.36} \right)$
 = 560·17 <sup>6</sup>
$\frac{ngain}{\sqrt{0/n}} = \sqrt{0} - \sqrt{0} = -21.6 \vec{j} - 6.67 \vec{j}$
$\frac{ V_{eff} ^{2}}{ V_{eff} ^{2}} = \sqrt{(-21.6)^{2} + (6.67)^{2}}$ $= 22.60 \text{ m/s}.$
$\frac{1}{6.67}$
 = 72.83°
a so, $a so$ = $a so$ = 2.7 m/s <sup>2</sup>
$\frac{a_{BIA}}{a_{BIA}} = \frac{a_{BIA}}{a_{BIA}} $
$V = \frac{4\sigma r'}{2.7} = \frac{30^{\circ}}{2.7}$