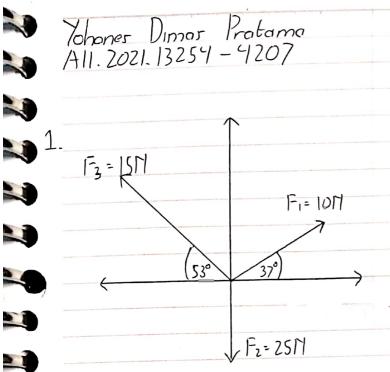
Fisika I

Tohones Dimos Protama A11.2021.13254 - 4207



A.
$$\xi F_x = F_1 (o_{1} 37^{\circ} - F_3 (o_{1} 53^{\circ} - F_3 (o_{1} 53$$

2.	F ₃ = 811
	60° F1=411
	F-1=8N
	*F, F,x=417 F,y=011
	Fiy=011 Fzx=011 Fzy=311
	(or 60° = F3x (or 30° = F37)
	$\frac{1}{2} \stackrel{:}{=} \frac{F_{3x}}{8} \qquad \frac{1}{2} \sqrt{3} \stackrel{:}{=} \frac{\dot{F}_{3x}}{8}$
	-4N=F3x 4\sqrt{3}=F3y *F4 (or 60°=F4x (or 30°=F4y
	$ \begin{array}{c cccc} F_{ij} & F_{ij} \\ \hline 1 & F_{ijx} & 1 & 3 & F_{ijy} \\ \hline 2 & 8 & 2 & 8 \end{array} $
	-4/1=Fix -4/3=Fix SFx=Fix+Fzx-F3x-Fix
	= 4+0-4-4 = -417 = -417 = -417 ne kiri

EFy= F17 + F27 + F37 - F417
= 0+3+4\sqrt{3}-4\sqrt{3}
37
=311 hehanan
JII HEKKINKII
ED. / E 2 E 2
$FR = \sqrt{Fx^2 + Fy^2}$
$-\sqrt{(-c_1)^2+(3)^2}$
= √16+9
· √25
= 51
3. Perhalian silang=
ixi=0 ixi=k ixi=-k
jxj=0 jxh=i kxj=-i
x = 0 $ x = -i$
$A \times B = (4i + 3i - 2k) \times (7i + 2i + 5k)$
A×B=(4i+3j-2h)×(7i+2j+5h) =8k-20j-21k+15i-14j+4i
= 19i -34j - 13k
$ A \times 3 = \sqrt{ 9^2 + (-34)^2 + (-13)^2}$
= \ 361+1156+169
= \\ \frac{1686}{}
= 41,06
11,06
(- A-A-2 201/)-
(os 0 = A · B = 28+6-10 A · B (\(\sigma' \sigma'
1/1/10/ (V =1 + 3 + 1 - 2) · (\ 7 · 12 · 15 ·)
$= 24 = 24 (\sqrt{29}) \cdot (\sqrt{78}) (5,38) \cdot (8,84)$
(729) (78) (5,38) (8,84)
= 24
417,5592
- 0,505
0~60°
0.060
and the same of th