Ad & Soyadi: MALEK ALISMAIL Öğrenci No:20253833 Şube No:20

$$\Rightarrow a_{ort} = \Delta V = \frac{25 - (-2)}{3 - 0} = 9 \text{ m/s}^2$$

Soruz

$$|C| = \sqrt{(4)^2 + (-11)^2 + (15)^2} = \sqrt{362} = \sqrt{9.03}$$

$$\frac{\cos \Theta_n}{A_n} = \frac{1}{A} \Rightarrow \frac{\cos \Theta_n}{A} = \frac{1}{19,03}$$

=) 
$$\cos \omega_{\chi} = \frac{4}{19.03} = 0.21$$
 arccos  $\omega_{\chi} = 77.88$ 

$$\vec{A} = 0\vec{1} + 8\vec{3}$$

$$\vec{B} = 7.5\vec{1} + 13\vec{3}$$

$$c_{3}(6) = \frac{8\pi}{15}$$

$$\vec{A} \times \vec{B} = \begin{vmatrix} i & j & k \\ 7.5 & 13 & 0 \\ 0 & 8 & 0 \end{vmatrix} = (13.0 - 8.0)\vec{i} = (7,5.0 - 0.0)\vec{j}_{*}(7,5.8 - 13.0)\vec{k}$$

3

m.) mz ifin; m. aşağı yönde mz yukarı yönde hareket eder

massiva e mosicas a

mi.g. sina-T-fi=mi.a

NOTATION.

=> 8.9,8.5in30-T-6,8=8.a

=> 32,4-T= (0,38).8

fi=M.N. fi=M.m.g.cosa fi=6,8 M

B T-m2.g.sina-f2=m2.a

>>T-7.9,8.5in60-34,31=7.10,5

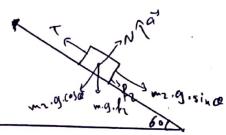
=>T-59,4-2,66=34,3 M

=> T-62,06 = 34,3 M

=> 29,36-62,06 = 34,3 µ

=> -32,7=34,3 MK

=> N K= -0,95



fz= M.mz.g.cos@ fz= 34,3 M

Chersaniye helikopter 15m arabaya yaklaşıcak)

$$O = \operatorname{arctan}\left(\frac{78,4}{60}\right)$$