

Ex1

b) 
$$ZF = \begin{bmatrix} 10 \\ 60 \end{bmatrix} N$$

d)  $5 \times \begin{bmatrix} 10 \\ 0 \end{bmatrix} = \begin{bmatrix} 50 \\ 30 \end{bmatrix} = \begin{bmatrix} 50 \\ 22 \end{bmatrix}$ 

e)  $\begin{bmatrix} 10 \\ 22 \end{bmatrix} = \begin{bmatrix} 10 \\ 22 \end{bmatrix} + \begin{bmatrix} 10 \\ 22 \end{bmatrix}$ 

Ex 2

A)

$$\overrightarrow{TT}$$

b)

 $\overrightarrow{CC}$ 
 $\overrightarrow{TT}$ 
 $\overrightarrow{TT}$ 

T1=10 T2=/2 T3=8, F

EX Y

b)  $\Sigma \vec{F} = -27$  n=23 0  $2 - \frac{29}{23} \frac{n}{3} = -1.19 \frac{n}{3} = -1.30$   $-15 \quad \Sigma \vec{F} = 70 \quad \rightarrow 0 \quad -1.30$ 

nlem 4-11 -à=[49] 1/52 m=15ks

75 x 49 = (3675) N == [6]

m=45/cg == [7] - 1-65 45×1.5

= [4tx7++4x9]=[179]N

Problem 4-5

Problem 4-11

Problem 4-18

$$f=10$$
  
 $g_1 T=20 b) T=0 c) T=12$   
 $f=20$  e)  $f=20$  f)  $f=-30$ 

$$T = \frac{40.2 \times (0^{-5})}{51 \times 12} = (.53 \times 10^{-3})$$