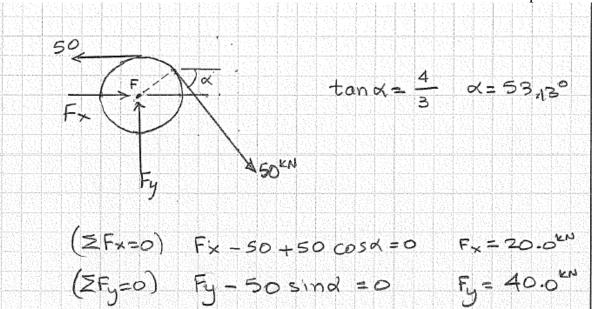
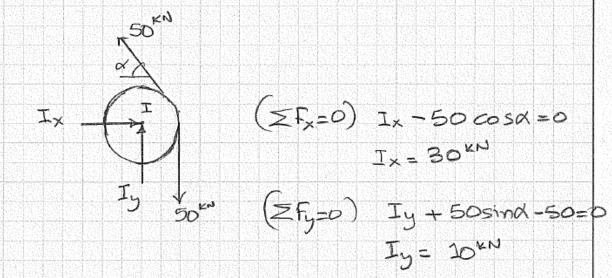


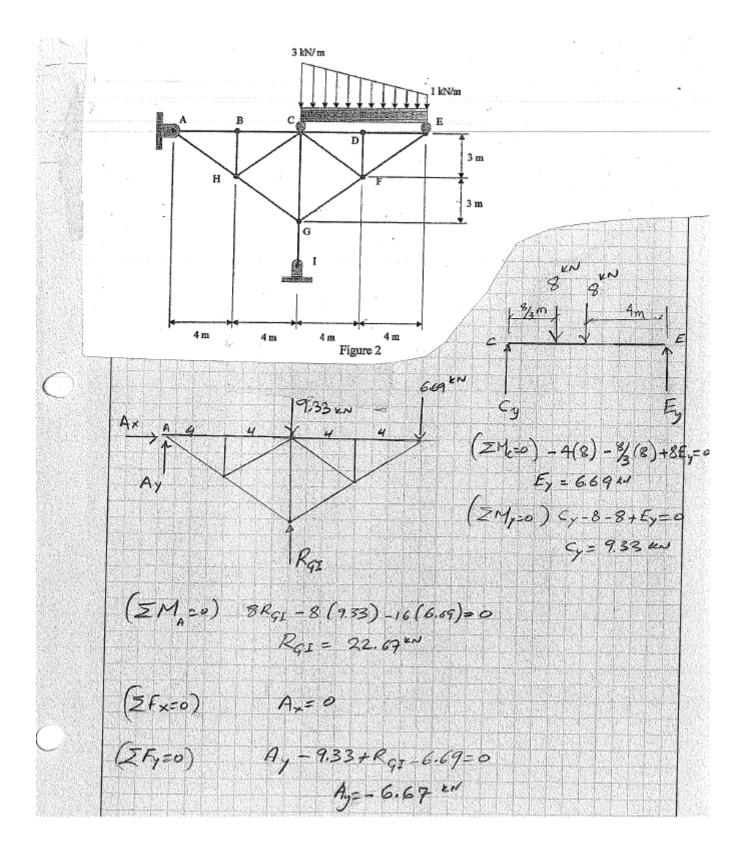
Group:----



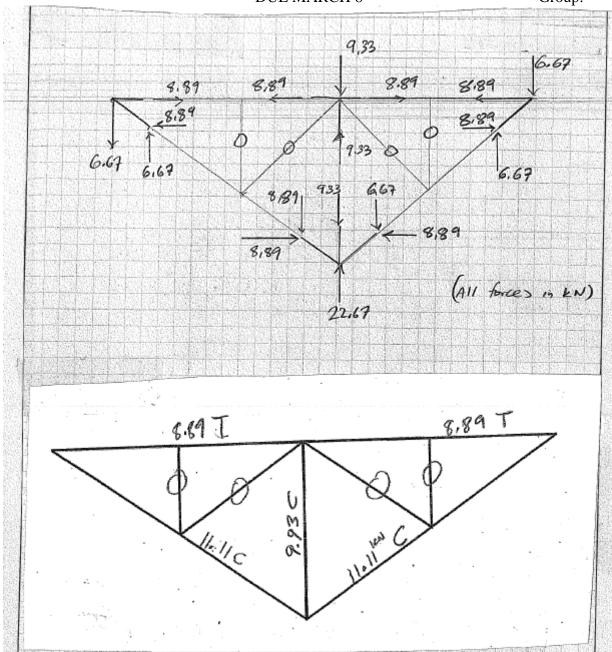


В

2)



Group:----

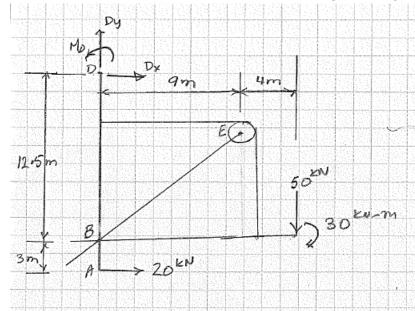


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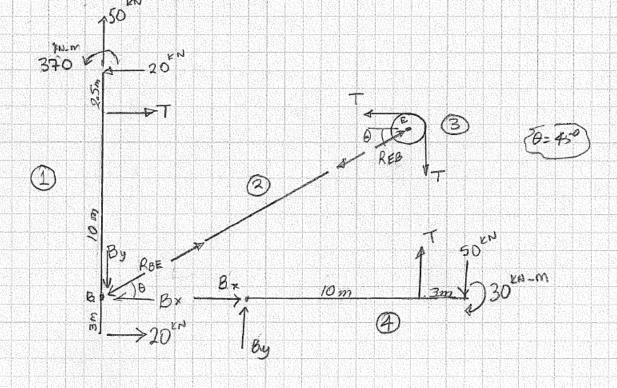
Assignment #5 SOLUTION
DUE MARCH 8

Name: -----Group:-----

3)



$$(5F_{5}=0)$$
  $D_{x} + 20 = 0$   $D_{x} = -20^{20}$   
 $(5F_{5}=0)$   $D_{y} - 50 = 0$   $D_{y} = 50^{20}$ 



	5	7	ト			4																	
	1	$\geq$	N	1	=0	)			10	7			1	13	1	5 0	o)	1	3	0	) =	6	>
4				F																			
1.8			150.00		354.54	10.5		2.3			1.00	1200		-	place.		1000	9.50 (0.00)	11.00		7.77		100

$$T = 68kN$$

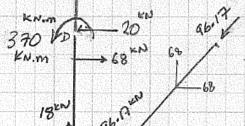
$$\Sigma F_y = -B_y - R_{BE} \sin \theta + 50$$

$$(ZM_{B=0})$$
 3(20) - 10(T) + 12.5(20)+370

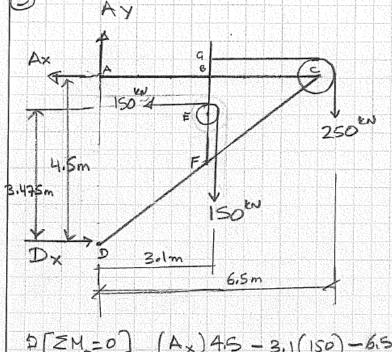
$$(2M_{B=0}) \quad 3(20) - 10(T) + 12.5(20) + 370$$

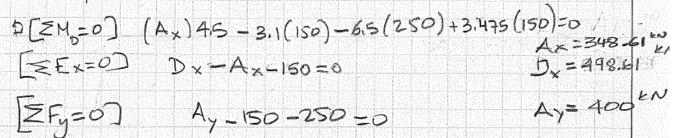
$$50^{KN} \quad V^{N} = 3(20) - 10(68) + 12.5(20) + 370 = 0$$

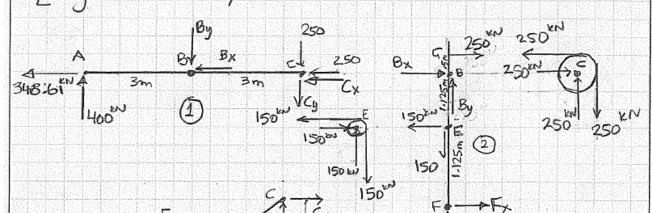
$$0 V^{N} \quad 30^{KN} \quad 60^{N} \quad 60^{N$$

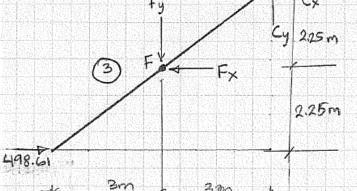


Engineering Statics	Assignment #5 SOLUTION	Name:					
Zinginicolning Station	DUE MARCH 8	Group:					
4)		-					









From FBD (1) (
$$\Xi M_{B=0}$$
) ~3(400) ~3(250) ~3( $g=0$ )  $G = -650^{EN}$   $V = -650^{EN}$ 

$$[2F_{y=0}]$$
 498.61 -  $F_{x}$  +  $C_{x}$  = 0
 $F_{x}$  = 130.55  $^{\text{M}}$ 
 $[2F_{y=0}]$  -  $F_{y}$  +  $C_{y}$  = 0

From FBD ① 
$$\left[ \sum F_{x}=0 \right] -348.61 - B_{x} - 250 - C_{x}=0$$

$$B_{x}=-230.55 \text{ eV}$$

From FBD ② 
$$ZFx = 250 + 8x - 150 + Fx =$$

$$= 250 - 230.55 + 150 + 130.55$$

$$= 0$$

Name: -----

