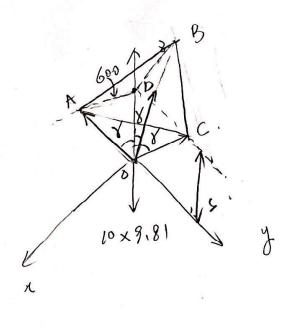
Problem 2.

Set 
$$T_A = T_B = T_c = 50$$
.  
 $\Sigma F_2 = 0$   $\uparrow +$   
 $3 \times (50 \text{ cor} \times) - 38.1 = 0$   
 $\times = \frac{198.1}{150.} = 49.16^\circ$ 

$$tan 49.16 = \frac{600}{S}$$

$$S = 519 \text{ mm}$$



Problem 3.

Tox = To 
$$\cos 120^\circ = -\frac{\text{To}}{2}$$
Toy =  $\frac{1}{2}$ To  $\cos 60^\circ = -\frac{1}{2}$ To
$$\cos z = \frac{1}{2}$$
To  $\cos 40^\circ = \frac{1}{2}$ To

$$\sum T_{DR} = 0.$$

$$T_{DR} + T_{CR} + T_{B} = 0.$$

$$-\frac{T_{D}}{2} - \frac{T_{C}}{4} + T_{B} = 0.$$

