Assignment #3 Solution

Bonus: (Ans: $T_{AB}=12.73N$, $T_{BC}=9.06N$, $T_{CD}=12.73N$, $\alpha = 6.34_{\circ}$)

IFx=0+

2Fy =01

(1) + (3)

-Tes cosx + Teo cosso° = 0 (3)

- Tob sind + Too sin 500 - 40 = 0 (4)

- TEA COS 50° + TCO COS 50° = 0 Tan sin 50° + Too sin 50 = 90 But Ten = Ten ... 2 Ten sin 50° = 90 Ten = 58.743 " Ten = 58.743"