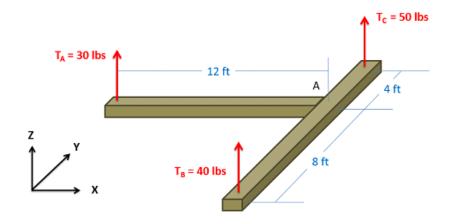
Problem 3

What are the moments that each of the three tension forces exert about point A (the point where the beams come together)?



$$T_A$$
 $M_{TA} = (F)(d) = (3016s)(124t) = 3604t 16s$

$$M_{TA} = [0,360,0] + 16s$$

riaht hand rule

$$T_{B} = (F)(d) = (40 lbs)(8 t_{1}) = 320 ft lbs$$

$$M_{TB} = [-320, 0, 0] t_{1} lbs$$
right hand

$$T_{c}$$
 $M_{Tc} = (F)(d) = (Solbs)(44) = 200 felbs$

$$M_{Tc} = [200, 0, 0] + 16s$$

$$M_{Tc} = [200, 0, 0] + 16s$$