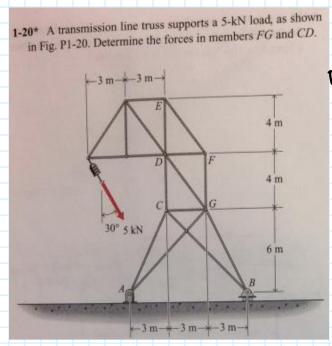
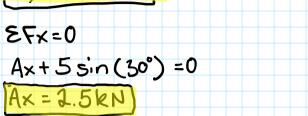
Saturday, 16 March 2019

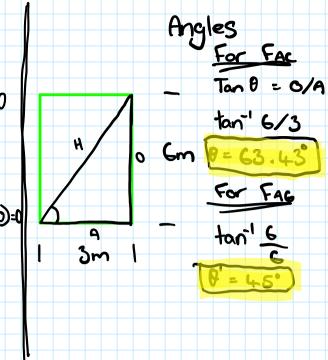
11:55 AM

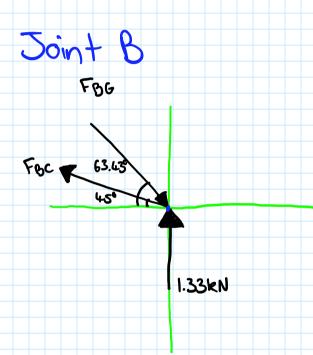


Support Reactions EMA=0 $B-/(9)-5\cos(30^{\circ})(3)+5\sin(30)(10)=0$ By=1.334

 $E_{MB} = 0$ $A_{\gamma}(9) - 5\cos(30^{\circ})(12) + 5\sin(30)(10) = 0$ $A_{\gamma} = 1995$

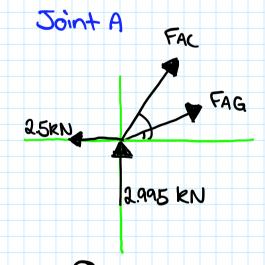






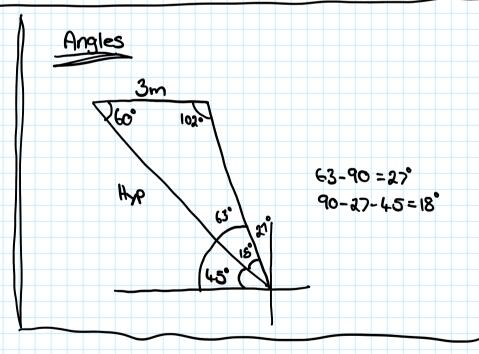
 $EF_{K}=0$ (1) F_{BG} (05 (63.43°) + F_{BC} (05 (45°) = 0 $EF_{Y}=0$ (2) $1.334-F_{BG}\sin(63.43°)+F_{BC}\sin(45°)=0$ $F_{BC}=F_{BG}\frac{\cos(63.43°)}{\cos(45°)}=0.632F_{BG}$ $F_{COS}(45)$ $F_{COS}(45)$ $F_{COS}(45°)+F_{BG}(0.63°)\sin(45°)=0$ $F_{GB}=2.98kN(5°)$

Eq1 -1.98 (05 (63.43) + FBC (05 (45)) =0 FBC= 1.88 (T)



EFx=0 0 -2.5+FAC COS (63.43)+FAG COS (45°)=0 EFy=0 2 2.995+FAC sin (63.43°)+FAG sin (45°)=0

 $2995 = Fac \sin(63.43) + 0.791 Fac \sin(45°)$ $Fac_{\gamma} = 2.06$ $-2.5 = Fac \cos(63.43) + 0.632 Fac \cos(45°)$ $Fac_{\kappa} = -2.8$



FAGX FACX COS 63.43 = 0.632 FAC

FAGY = FAC Sin (45) = 0.791 Sin (63.43)