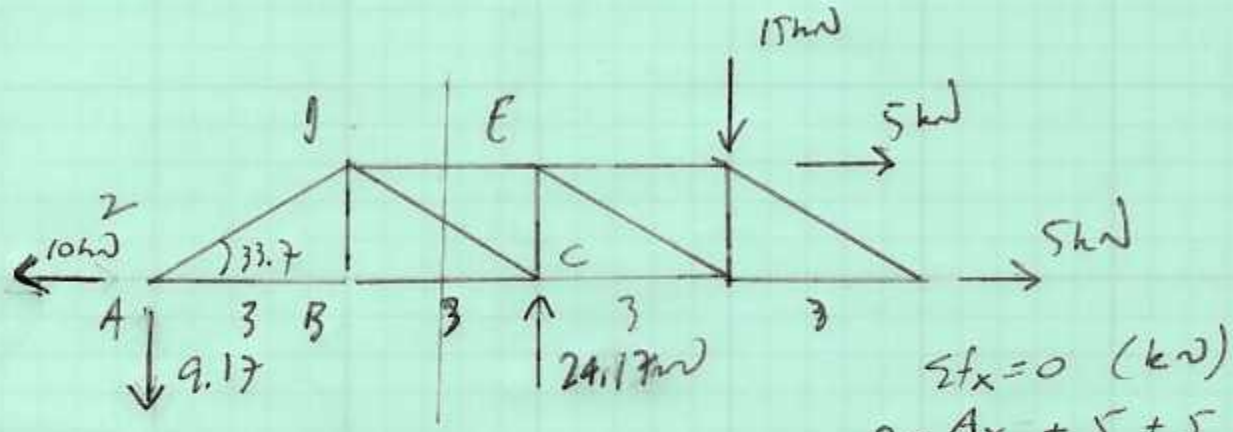


$\Sigma f_x = 0$ (kN)

$0 = A_x + 5 + 5$

$A_x = -10$ kN

$\Sigma M_D = 0$ (kN·m)

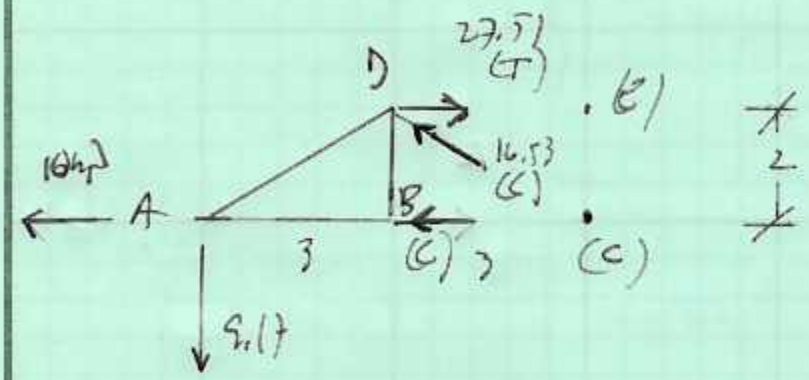
$0 = -15(3) + -5(2) + C_y(6)$

$C_y = 24.17$ kN

$\Sigma M_C = 0$ (kN·m)

$\phi = -15(3) + -5(2) - A_y(6)$

$A_y = -9.17$ (down)



$\Sigma M_C = \phi$ (kN·m)

$\phi = (+9.17)(6) + -DE(2)$

$DE = \underline{27.51\ (T)}$

$\Sigma F_y = 0$ (kN)

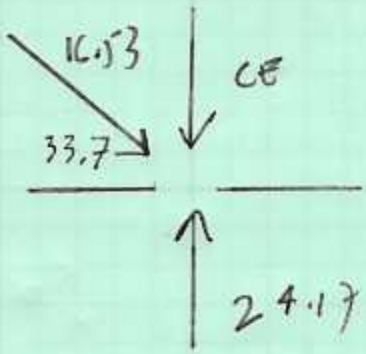
$\phi = -9.17 + -DC \sin 33.7$

$DC = -16.53$ [comp] (C)

$\Sigma F_x = \phi$ (kN)

$\phi = -10\text{kN} + 27.51 - 16.53 \cos 33.7 + BC$

$BC = -\underline{3.76}$ (comp) (C)



@ C

$\Sigma f_y = 0$

$\phi = -16.53 \sin 33.7 - CE + 24.17$

$CE = 15$ kips