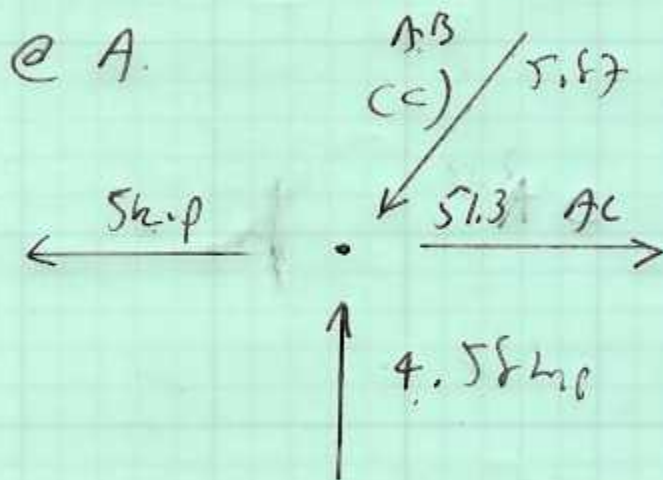


$$C_y = \underline{\underline{5.92 \text{ kips}}}$$

$$A_y = \underline{\underline{4.58 \text{ kips}}}$$

$$A_x = \underline{\underline{-5 \text{ kips}}}$$



$$\sum F_y = 0 \quad (\text{kips})$$

$$0 = 4.58 - AB \sin 51.3$$

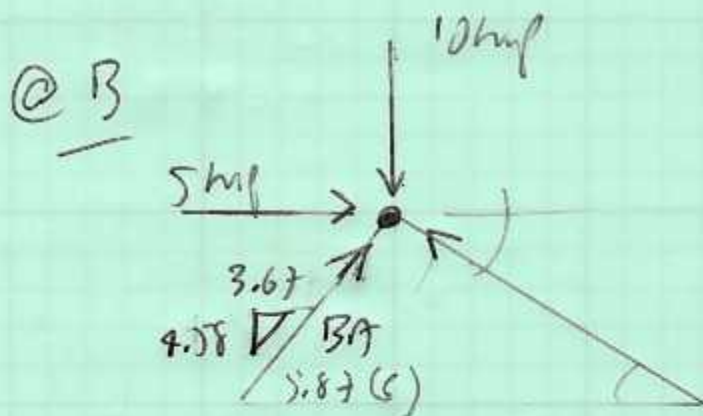
$$AB = \underline{\underline{5.87 \text{ kips}}} \quad (\text{C})$$

$$\sum F_x = 0 \quad (\text{kips})$$

$$0 = -5 - AB \cos 51.3 + AC$$

$$0 = -5 - 3.67 + AC$$

$$AC = \underline{\underline{5.67 \text{ kips}}} \quad (\text{T})$$



$$\sum F_y = 0 \quad (\text{up})$$

$$0 = -10 + 4.58 + BC(\sin 32)$$

$$BC = \underline{10.23 \text{ kN}}_{\text{ANS}} \quad (C)$$

check @ C

$$\sum F_x = 0$$

$$0 = 10.23(\cos 32) - 8.67$$

$$0 \approx 0 \quad \checkmark$$

$$\sum F_y = 0$$

$$0 = -10.23(\sin 32) + 5.42$$

$$0 = 0$$