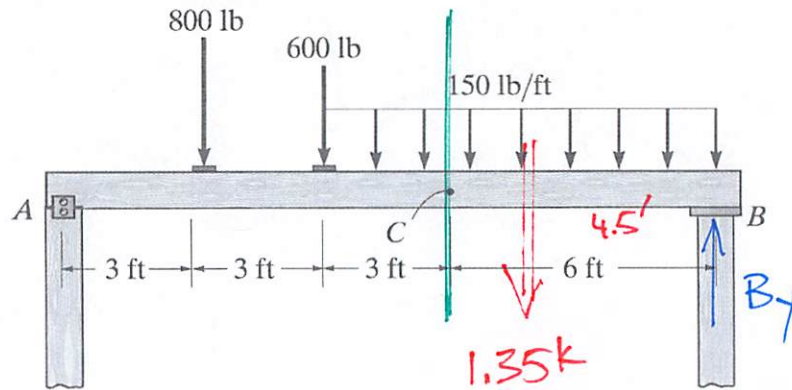
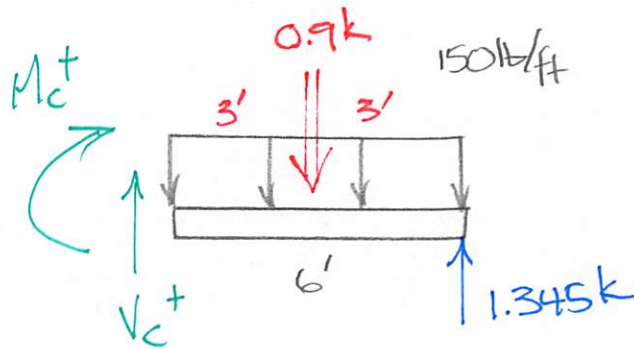


Example 4a-7 - Determine the internal shear force and bending moment acting at point C.



$$\begin{aligned} \sum M_A = 0 &= -0.8k(3') - 0.6k(6') - 1.35k(10.5') \\ &+ B_y(15') \end{aligned} \quad \underline{B_y = 1.345k}$$



$$\begin{aligned} \sum M_{cut} = 0 &= -M_c - 0.9k(3') + 1.345k(6') \\ \underline{M_c} &= \underline{10.77kft} \end{aligned}$$

$$\sum F_y = 0 = V_c - 0.9k + 1.345k$$

$$\underline{V_c = -0.445k}$$