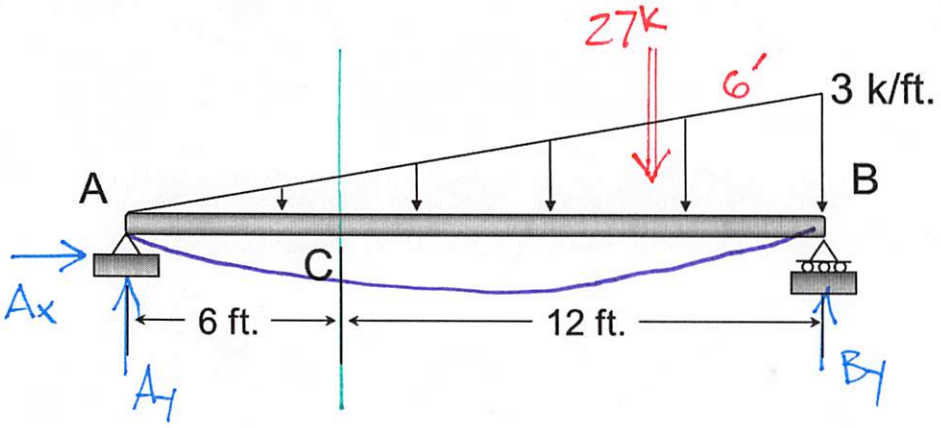
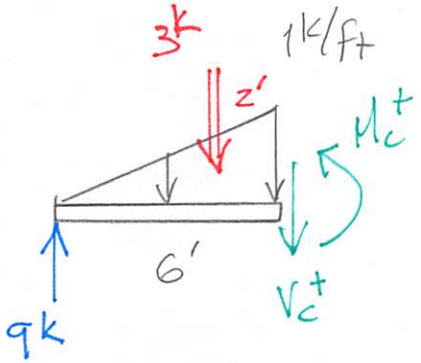
Example 4a-3 - Determine the internal shear and moment at a section passing through point C.



$\circlearrowleft + \sum M_B = 0 = 27^k(6') - A_y(18')$ $\quad A_y = 9^k$

$\rightarrow + \sum F_x = 0 = A_x$



$\circlearrowleft + \sum M_{CUT} = 0 = M_c + 3^k(2') - 9^k(6')$ $\quad M_c = 48\ k\text{-}ft$

$+ \uparrow \sum F_y = 0 = -V_c - 3^k + 9^k$ $\quad V_c = 6^k$