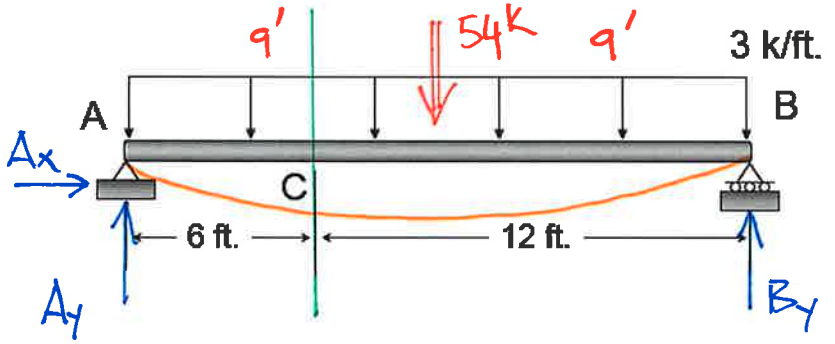
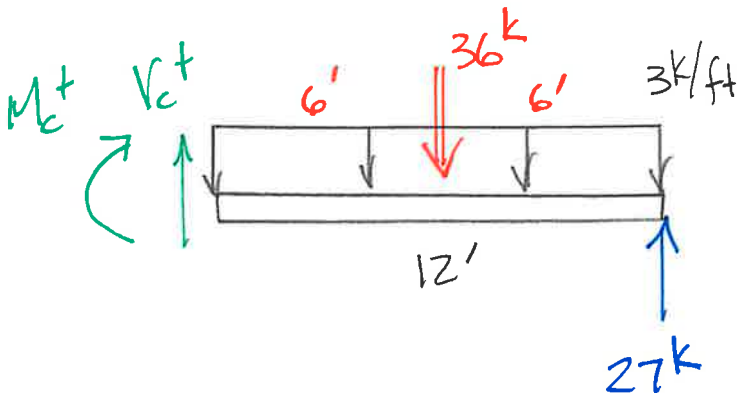
Example 4a-2 - Determine the internal shear and moment at a section passing through point C.



$$\circlearrowleft + \sum M_A = 0 = -54^k(9') + B_y(18') \qquad B_y = 27^k$$



$$\circlearrowleft + \sum M_{cut} = 0 = -M_c - 36^k(6') + 27^k(12')$$

$$M_c = 108\ k\,ft$$

$$+\uparrow \sum F_y = 0 = V_c - 36^k + 27^k$$

$$V_c = 9^k$$