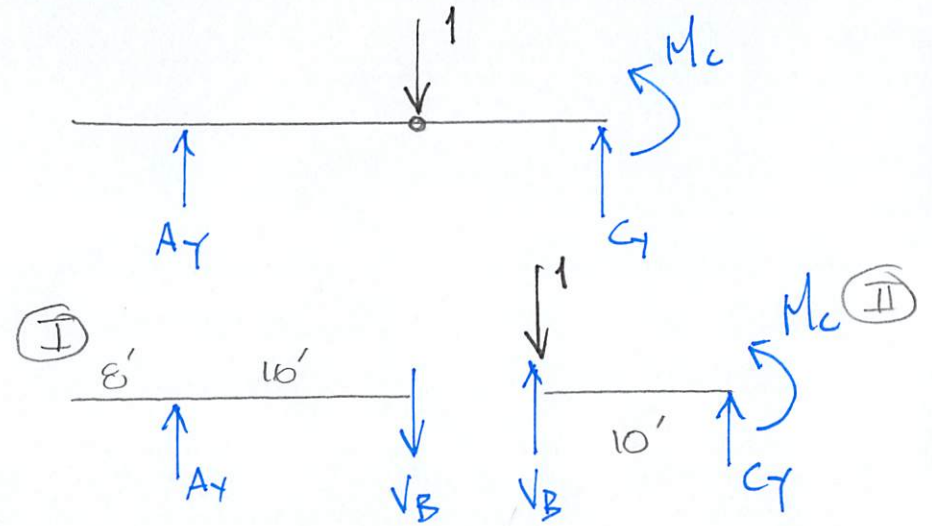
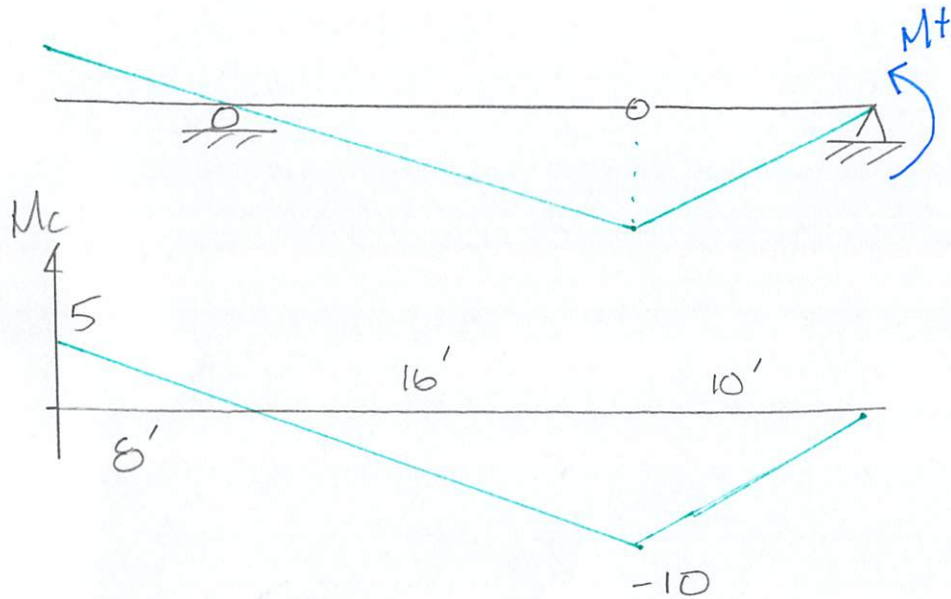
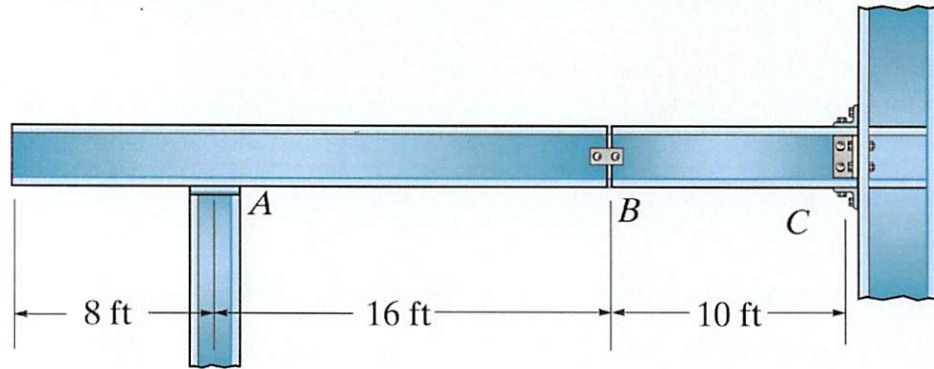


Example 6b-4: The beam supports a uniform dead load of 200 lb/ft, a uniform live load of 400 lb/ft, and a single live concentrated force of 10 k. Determine (a) the maximum positive moment at C and (b) the maximum positive shear at B.



$$\textcircled{I} \quad \sum \uparrow M_A = 0 = -V_B(16') \\ \underline{V_B = 0}$$

$$\textcircled{II} \quad \sum \uparrow M_C = 0 = 1(10') + M_C \quad \underline{M_C = -10'}$$