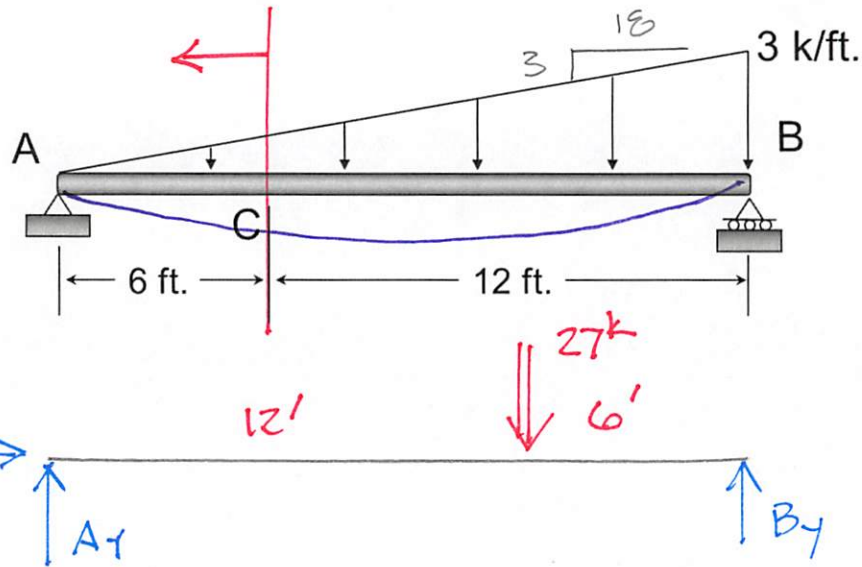


Example 4a-3 - Determine the internal shear and moment at a section passing through point C.

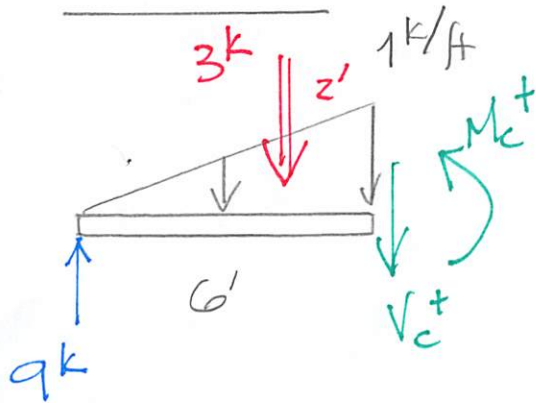


$$\text{SLOPE} = \frac{1 \text{ k/ft}}{6 \text{ ft}} =$$

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

$$\underline{A_y = 9^k}$$

SECTION AC



$$\sum M_{\text{cut}} = 0 = M_c + 3^k(2') - 9^k(6')$$

$$\underline{\underline{M_c = 48 \text{ k}\cdot\text{ft}}}$$

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

$$\underline{\underline{V_c = 6^k}}$$