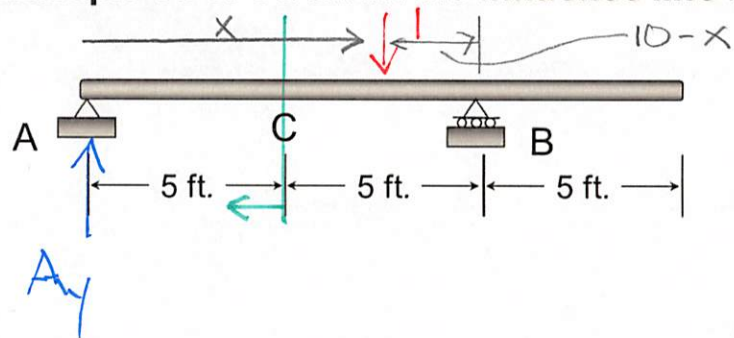


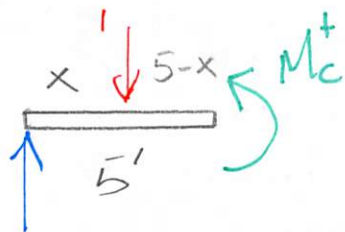
Example 6a-3: Construct the ***influence line*** for the moment at C



$$\sum M_B = 0 = 1(10-x) - A_y(10')$$

$$A_y = \frac{10-x}{10} = 1 - \frac{x}{10}$$

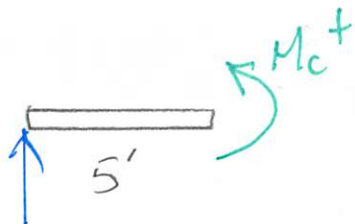
UNIT LOAD $0 \leq x \leq 5$ ft



$$\sum M_{cut} = 0 = M_c + 1(5-x) - \left(1 - \frac{x}{10}\right)5$$

$$M_c = \frac{x}{2}$$

$$1 - \frac{x}{10}$$



$$\sum M_{cut} = 0 = M_c - \left(1 - \frac{x}{10}\right)5$$

$$M_c = 5 - \frac{x}{2}$$

$$1 - \frac{x}{10}$$

