

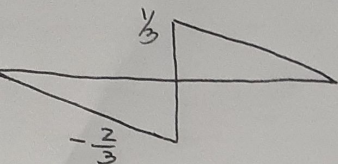
INFLUENCE LINE OF A_y

$$A_y = 1 - \frac{x}{15}$$

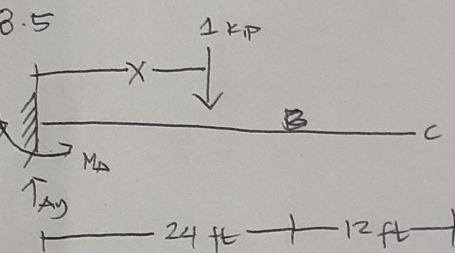
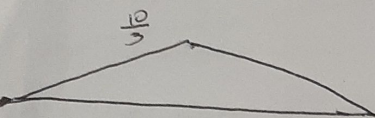
INFLUENCE LINE OF C_y

$$C_y = \frac{x}{15}$$

INFLUENCE LINE OF S_B

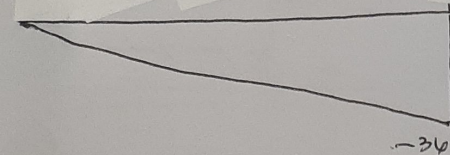


INFLUENCE LINE OF M_B



INFLUENCE LINE OF A_y

INFLUENCE LINE OF M_A



INFLUENCE LINE OF S_B



REACTIONS

$$\sum F_V = 0$$

$$A_y = 1$$

$$\sum M_A = 0$$

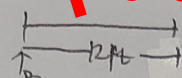
$$1(x) = M_A$$

WHEN $x=0$, $A_y=1$

WHEN $x=0$, $M_A=0$

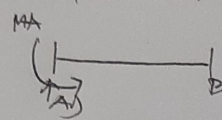
WHEN $x=36$, $A_y=0$

WHEN $x=36$, $M_A=36$



$$S_B = 0$$

$$M_B = 0$$



$$S_B = A_y = 1$$

$$M_B = -x + A_y(29) = -x + 29$$

$$S_B = \begin{cases} 0 & 0 < x < 29 \\ 1 & 29 < x < 36 \end{cases} \quad M_B = \begin{cases} 0 & 0 < x < 29 \\ -x + 29 & 29 < x < 36 \end{cases}$$

INFLUENCE LINE OF M_B

