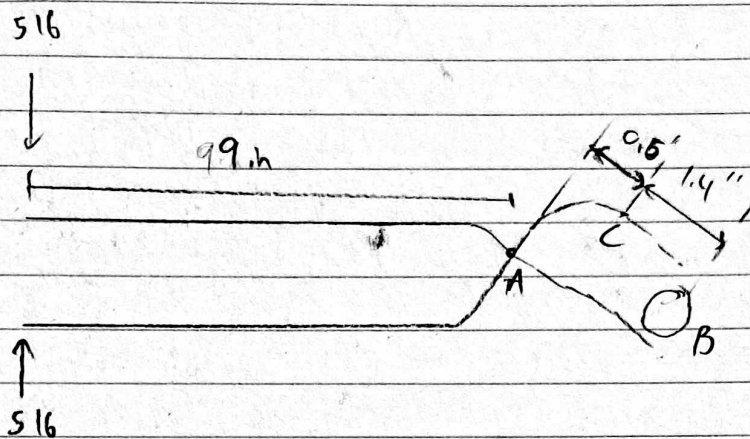


Solutions: 21-5-7.1-MK-03



$$\sum M_A = 0 = (516)(99 \text{ in}) - (129 \text{ in})(B_y)$$

$$B_y = \frac{(516)(99 \text{ in})}{129 \text{ in}} = 22.58 \text{ lb}$$

$$\sum F_y = 0 = 23.68 + V_C$$

$$V_C = -23.68 \text{ lb}$$

$$\sum M_C = 0 = -M_C + (22.58 \text{ lb})(1.4 \text{ in})$$

$$M_C = 31.52 \text{ lb in}$$