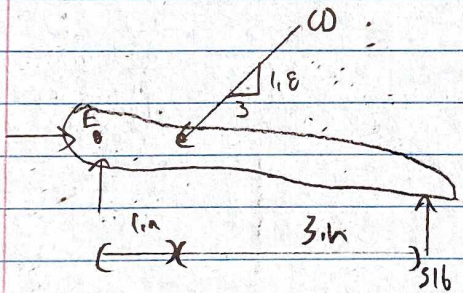
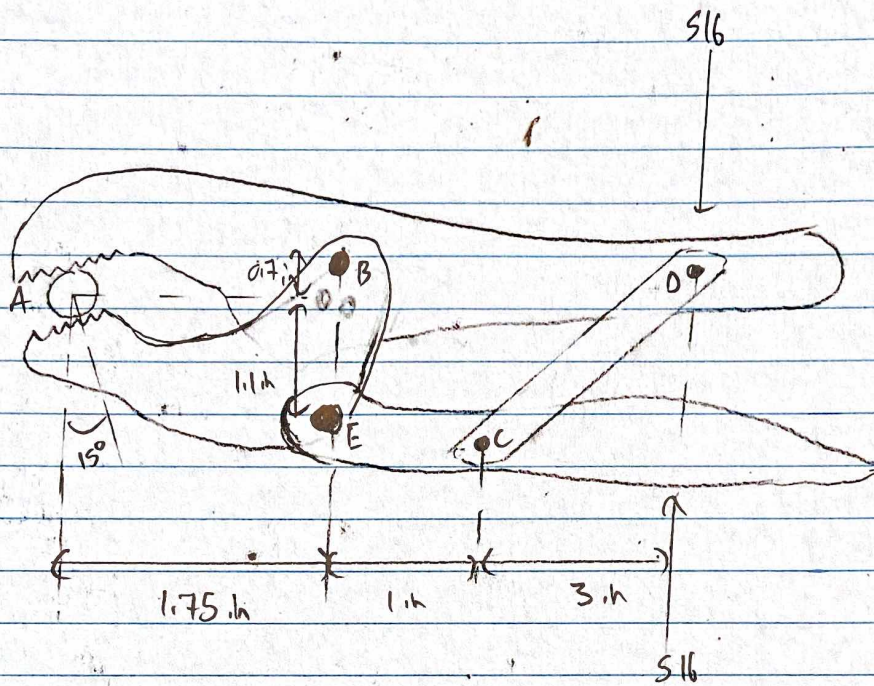


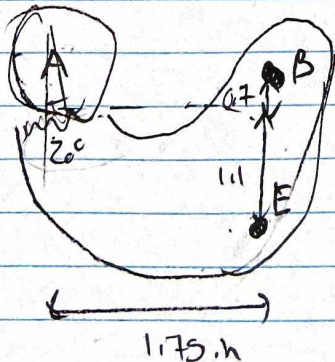
Solutions: 21-5-6.6-MK-06



$$\Sigma M_E = -CD \left(\frac{1.1}{\sqrt{3^2 + 1.1^2}} \right) (1.1) + (516)(4.1)$$

$$CD = 38,87 \text{ lb}$$

$$\Sigma F_x = F_x - CD \left(\frac{3}{\sqrt{3^2 + 1.1^2}} \right) \Rightarrow F_x = 33,316 \text{ lb}$$



$$\Sigma M_B = A \cos 15 (1.75) + A \sin 15 (0.7) - (33,316)(1.1)$$

$$A = 32,1 \text{ lb}$$