

1-55*

$$\rightarrow \Sigma F_x = 0: \quad -V = 0$$

$$\uparrow \Sigma F_y = 0: \quad 90 - 120 - P = 0$$

$$\curvearrowright \Sigma M_{cut} = 0: \quad -M - 90(5/8) - 120(1.5) = 0$$

$$V = 0 \text{ lb} \dots\dots\dots \text{Ans.}$$

$$P = -30 \text{ lb} = 30 \text{ lb (C)} \dots\dots\dots \text{Ans.}$$

$$M = -236 \text{ lb} \cdot \text{in.} \dots\dots\dots \text{Ans.}$$

