



$$\sum F_H = 40 + 20 - H_a = 0$$

$$H_a = -60 \text{ klb}$$

$$V = 30 \text{ klb} + 3 \text{ klb} + 20 \text{ klb}$$

$$\sum M_a = 30(12) + (3 \times 15)(29.5) - V_b(37) + 20(10) = 0$$

$$V_b(37) - 45(29.5) = 1327.5 + 200 = V_b$$

$$1887.5 = V_b$$

$$\frac{1887.5}{37}$$

$$51 \text{ klb} \leftarrow$$

$$\sum F_v = H_a - 30 - 45 + V_b = 0$$

$$V_a - 30 - 45 + 51 = \underline{\underline{24 \text{ klb}}}$$