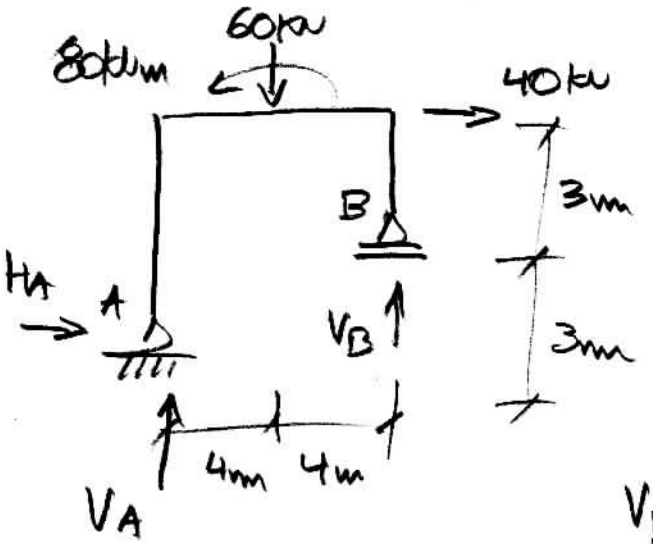
TE1-2.3



$\rightarrow \oplus \quad \Sigma F_H = 0 \qquad H_A + 40 = 0$

$H_A = -40\,kN \qquad \underline{H_A = 40\,kN \leftarrow}$

$\circlearrowright \oplus \quad \Sigma M_A = 0$

$-80 + 60 \times 4 + 40 \times 6 - V_B \times 8 = 0$

$V_B = \frac{1}{8}(-80 + 240 + 240) = \underline{50\,kN \uparrow}$

$\uparrow \oplus \quad \Sigma F_V = 0 \qquad V_A + 50\,kN - 60\,kN = 0$

$V_A = 60 - 50 = \underline{10\,kN \uparrow}$