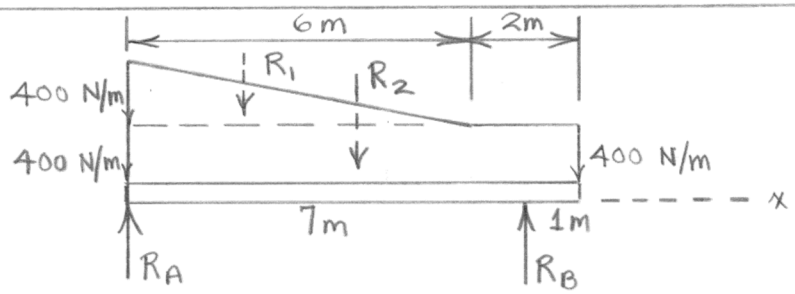
5/103



$R_1 = \frac{1}{2}(400)(6) = 1200$ N @ $\bar{x}_1 = \frac{1}{3}(6) = 2$ m

$R_2 = 400(8) = 3200$ N @ $\bar{x}_2 = \frac{1}{2}(8) = 4$ m

$\circlearrowleft + \Sigma M_A = 0$: $R_B(7) - 1200(2) - 3200(4) = 0$, $R_B = 2170$ N

$+\uparrow \Sigma F = 0$: $R_A - 1200 - 3200 + 2170 = 0$, $R_A = 2230$ N