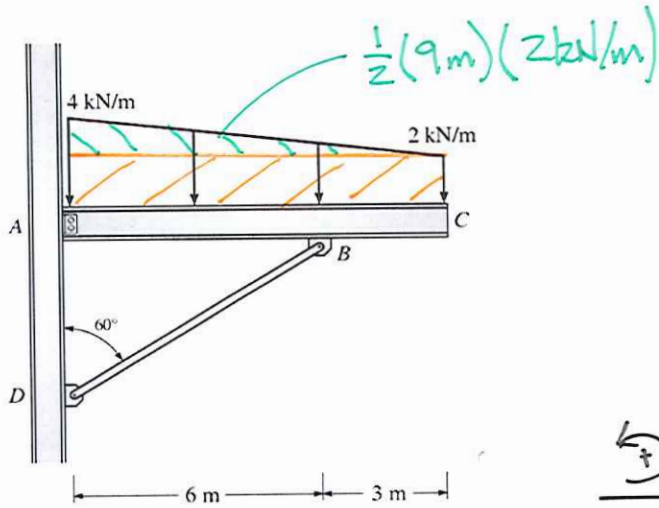


Example 2-3: Find the reactions



$$\sum M_A = 0 = B \sin 30^\circ (6m) - 9kN(3m) - 18kN(4.5m)$$

$$B = 36kN$$

$$\sum F_y = 0 = A_y + B \sin 30^\circ - 9kN - 18kN$$

$$A_y = 9kN$$

$$\sum F_x = 0 = A_x + B \cos 30^\circ$$

$$A_x = -31.2kN$$

