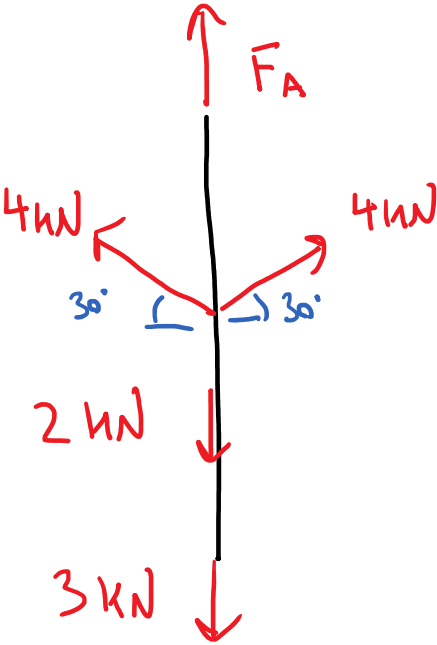
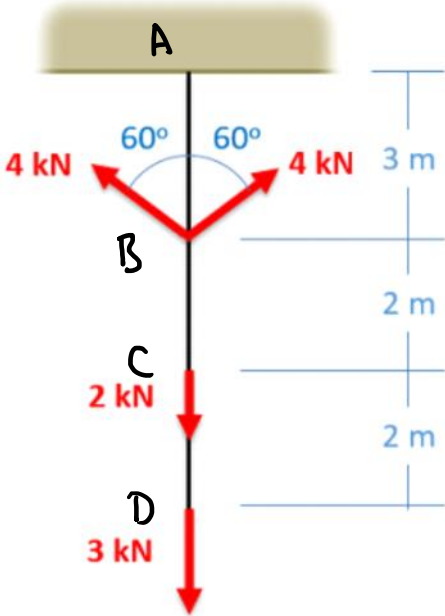


Problem 2

A cable is anchored to the ceiling and subjected to the forces shown below (assume are forces applied at base of the vector). Draw the axial force diagram for the cable.



$$\sum F_y = F_A + 4 \sin(30) + 4 \sin(30) - 2 - 3 = 0$$

$$\underline{F_A = 1 \text{ kN}}$$

