Homework H24.A
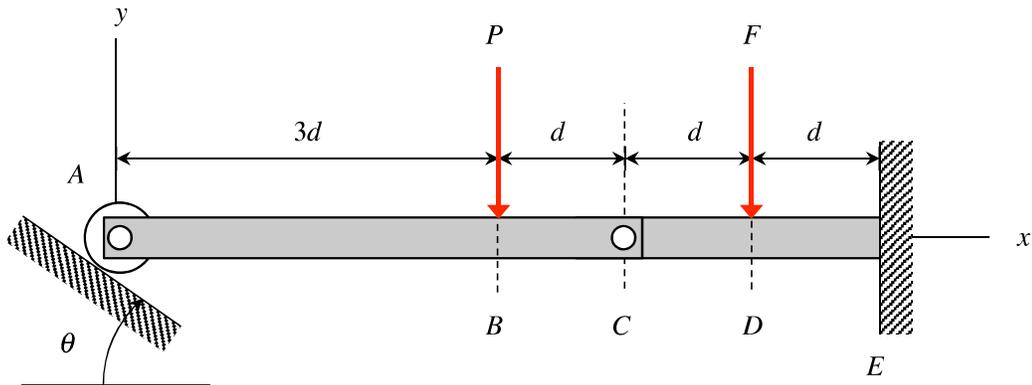
Given: A structure is made up of members AC and CE. CE is fixed to ground at end E, whereas AC is pinned to CE at C and has end A constrained to move along a *smooth* incline at its left end.

Find: Determine the reactions on member AC at A and the reactions on CE at E.

For this problem, use the following parameters: $\theta = 30°$, $d = 2$ ft, $F = 30$ kips and $P = 10$ kips.

Homework H24.B

Given: A frame is made up of members AD and BC, with these two member pinned together at C. A pulley system with one pulley pinned to AD at D, one pulley supporting a block having a weight of W and with the cable attached to points E and the midpoint of BC.

Find: Determine the reactions at A and B on the frame. Express your answer in terms W.