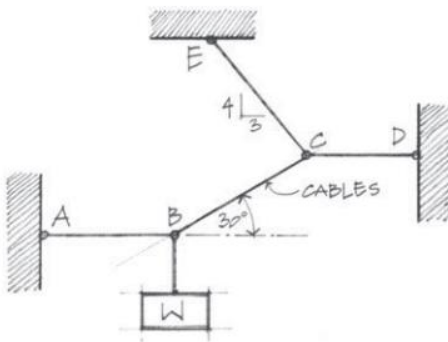
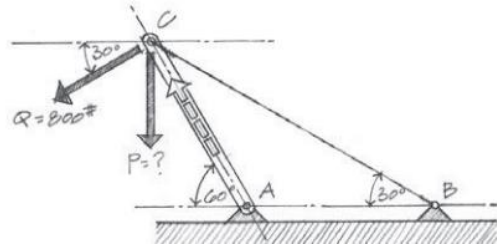


CNST 241 Fall 2017

Assignment 2

Due: 9/21/2017

2.25 The tension in the cable CB must be of a specific magnitude necessary to provide equilibrium at the concurrent point of C . If the force in the boom AC is $4,000\#$ and Q is $800\#$, determine the load P (vertical) that can be supported. In addition, find the tension developed in cable CB . Solve this problem analytically as well as graphically using a scale of $1" = 800\#$.



2.26 Determine the tensile forces in the cables BA , BC , CD , and CE assuming $W = 100\#$.