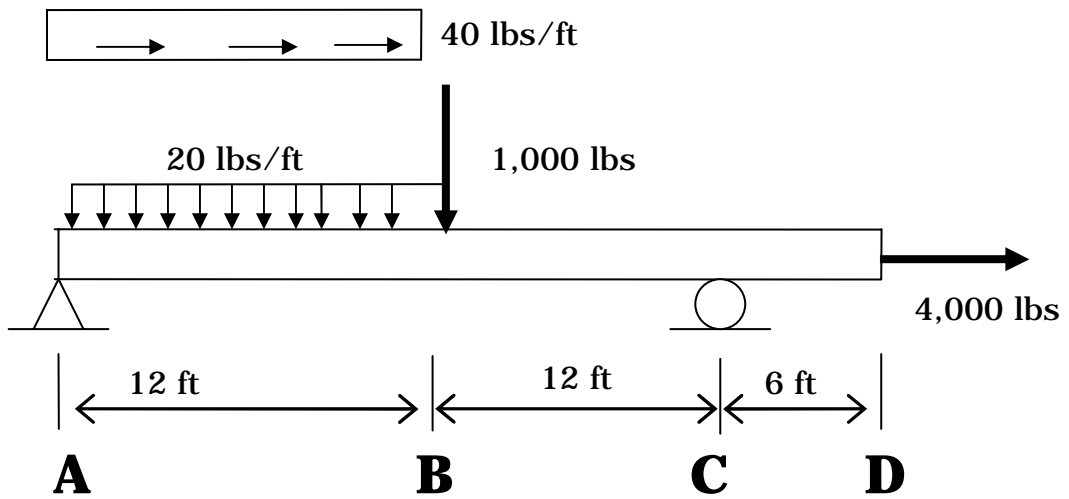


(Due in class on Oct. 26, or on Oct. 29, 4:30 PM in 233 More)

You can work in groups of 2-4 to complete this assignment. Turn in only one assignment per group. Write the names of both members of the group on this sheet.

Names: 1. _____
 2. _____

Consider the beam shown below.



(a) neatly show the horizontal distributed and concentrated applied forces, as well as the horizontal reactions.



(b) neatly plot the axial force diagram (magnitudes and locations of max comp. and tensile force)



(c) neatly plot the transverse loading and reaction diagram (show transverse loads and transverse reactions),



(d) neatly plot the tranverse shear diagram (show magnitude and location of maximum positive and negative shears)



(e) neatly plot the bending moment diagram. (show magnitudes and locations of maximum positive internal bending moment and maximum negative internal bending moment)

