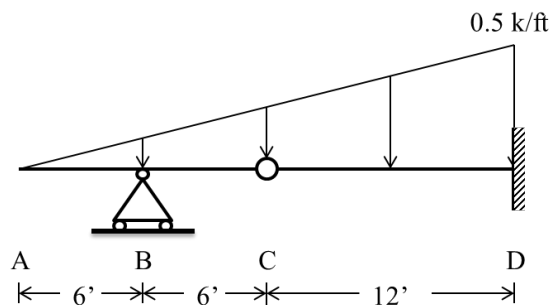


### Homework #3

Note: Draw free body diagrams for each problem, show all work, label important points and their locations on the shear and moment diagrams

#### Problem 1

- Determine the shear and moment throughout the beam as a function of  $x$
- Draw the shear and moment diagrams for the beam
- Draw the deflected shape of the beam



#### Problem 2

- Determine the axial force, shear, and moment throughout the frame as a function of  $x$
- Draw the axial, shear, and moment diagrams for the frame
- Draw the deflected shape of the frame

