Birzeit University Faculty of Engineering Department of Civil and Environmental Engineering

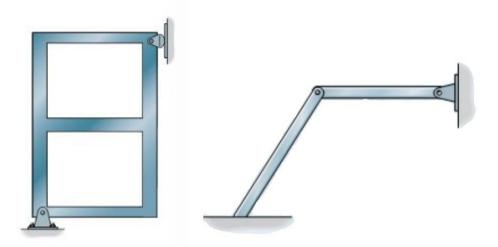
ENCE 3331, Structural Analysis I

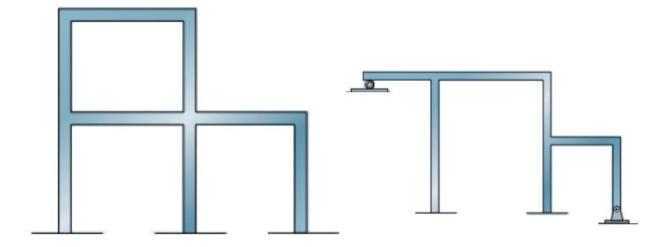
Homework assignment #2

Due on Tuesday, March. 10th, 2020 @ 8:30 AM.

Question 1:

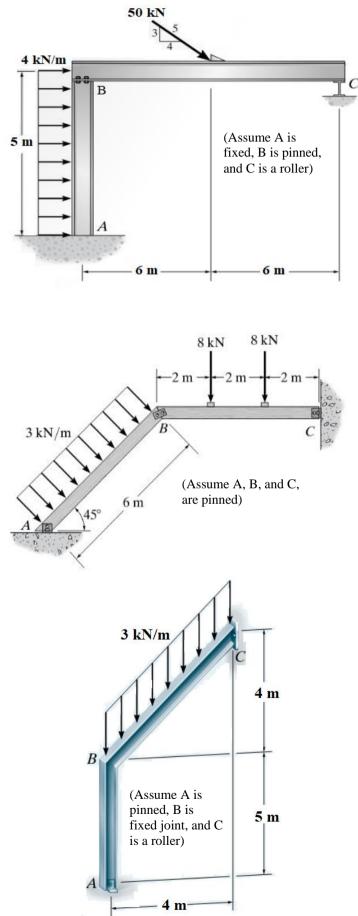
Determine whether the Following Structures are stable/unstable, Determinate/indeterminate?





Question 2: For the given Frames

- Determine the external reaction
- Draw Axial, Shear and moment diagrams
- Sketch the deflected shape.



Question 3:

For the following Frames:

- Sketch the deflected shape
- Draw shear and moment diagram and indicate key values
- Determine the shear and moment in the frames as a function of x.

