## **Tutorial Sheet #2**

## Assigned on Thursday, Aug 06

1. For the uniform beam *ABC* (**Figure 1**), <u>draw</u> the BMD, SFD, and approximate deflected shape, when support *B* settles by **80 mm**. Also find the rotation and displacement at point *C*. **E = 200 GPa**, **I = 100×10<sup>-6</sup> m<sup>4</sup>**.

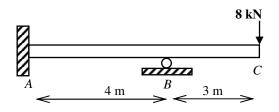


Figure 1

2. Draw the BMD and the approximate deflected shape for the frame systems shown in **Figures 2** and **3**. Assume same *EI* for all the members and neglect axial deformation.

