

**Birzeit University**  
**Faculty of Engineering**  
**Department of Civil and Environmental Engineering**

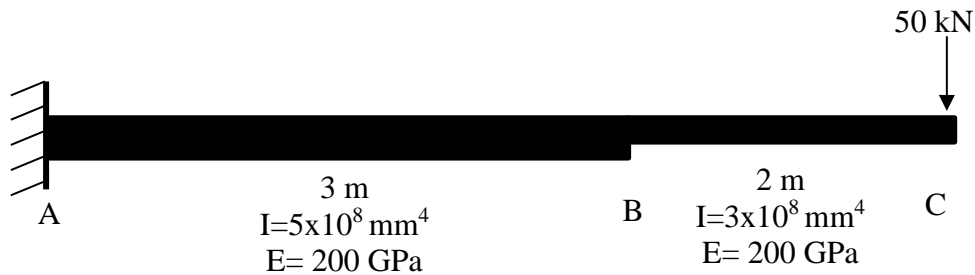
**ENCE 3331, Structural Analysis I**

**Homework assignment #3**

**Question 1: Using Moment area method, answer the following questions**

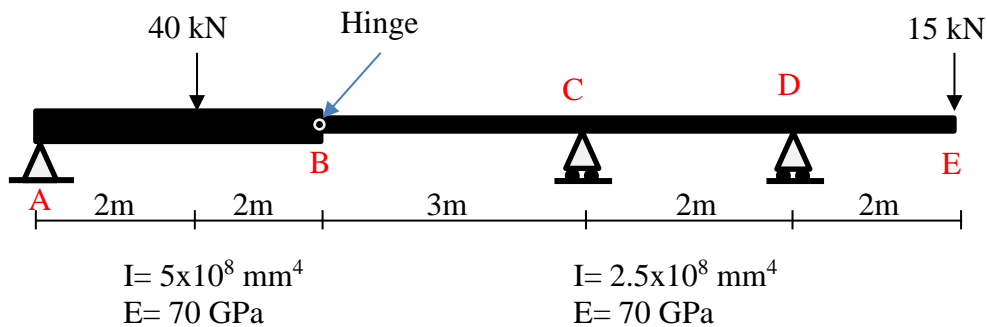
For the following beam, Determine:

- Deflection at point C.
- Deflection at point B.
- Rotation of point B.



For the following beam, determine:

- Deflection of Points B, and E.
- Rotation of points A, C, D, and E.



For the given beam, determine:

- Deflection of points B, and D.
- Rotation of points A, C, and E.

