

1. List the known values of rotation and displacement for the following boundary conditions:
 - a. Pin
 - b. Roller
 - c. Fixed support

2. Sketch the deflected shape of the beams below. EI is constant.

3. Determine the equations for the elastic curve of the beams shown below. The members are made of steel and the cross-section is constant along the length.
 - a. What is the maximum deflection for each beam?
 - b. What is the maximum rotation for each beam?

