**Question 1**

The cantilevered beam is supported at one end by a $\frac{1}{2}$-in.-diameter suspender rod $AC$ and fixed at the other end $B$. Determine the force in the rod due to a uniform loading of 4 k/ft. $E = 29(10^3)$ ksi for both the beam and rod.
**Question 4**

Determine the moments at $A$, $B$, $C$, and $D$ then draw the moment diagram. The members are fixed connected at the supports and joints. $EI$ is constant.
**Question 3**

Determine the horizontal and vertical components of reaction at A and C. Assume A and C are pins and B is a fixed joint. Take $E = 29(10^3)$ ksi.
**Question 2**

Determine the moments at $A$, $B$, and $C$, then draw the moment diagram. Assume $A$ is fixed. $EI$ is constant.