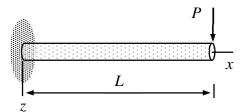
## **Assignment 3**

Find the transverse displacement w and rotation  $\theta$  of the xz-plane cantilever beam shown. Start with the Bernoulli beam model planar bending equations in their first order forms



where E and I are constants and Q, M are the shear force and bending moment, respectively,