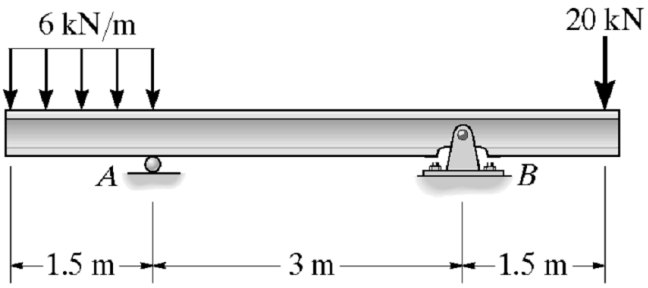
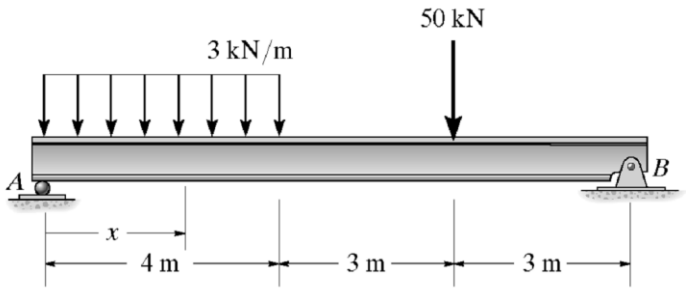
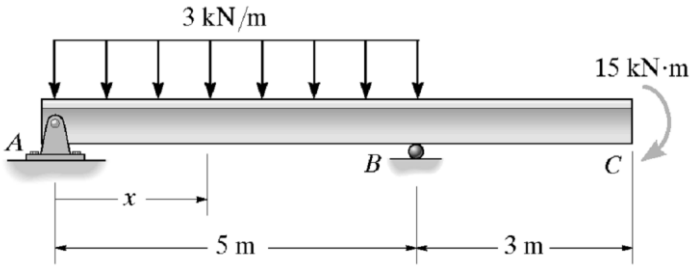
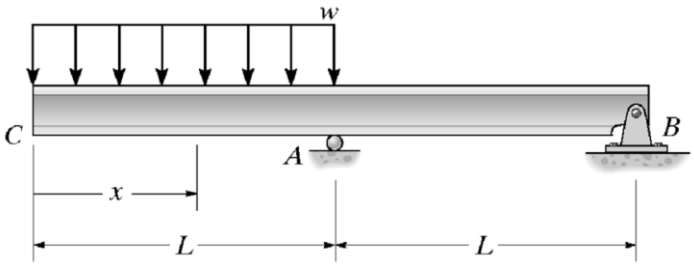
1. The beam is subjected to the load shown. Determine the equation of the elastic curve. *EI* is constant.



2. The beam is subjected to the load shown. Determine the displacement at $x = 7$ m and the slope at *A*. *EI* is constant.



3. The beam is subjected to the load shown. Determine the equations of the slope and elastic curve. *EI* is constant.



4. Determine the equation of the elastic curve. Specify the deflection at *C*. *EI* is constant.