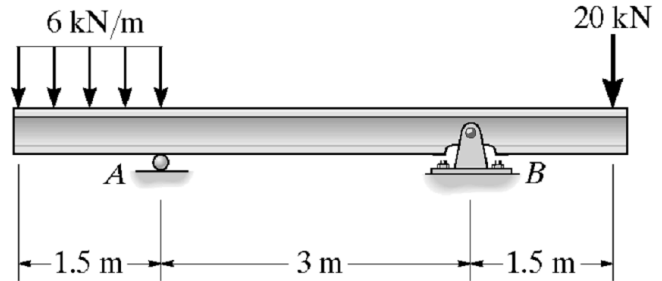


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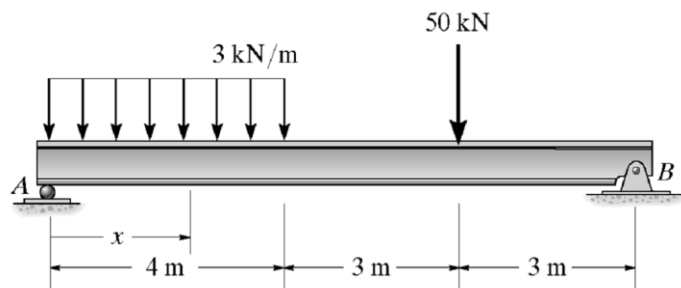
Student ID:

M14: Bending Deflections by Singular Functions

1. The beam is subjected to the load shown. Determine the equation of the elastic curve. EI is constant. 【试求图示梁的挠曲线。设弯曲刚度 EI 为常数。】



2. The beam is subjected to the load shown. Determine the displacement at $x = 7$ m and the slope at A. EI is constant. 【试求图示梁在 $x = 7$ m 处的挠度和截面 A 的转角。设弯曲刚度 EI 为常数。】

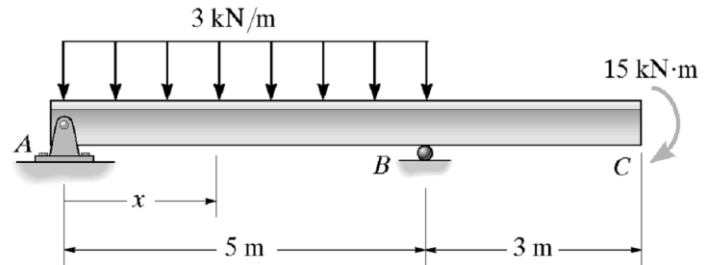


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Student ID:

M14: Bending Deflections by Singular Functions

3. The beam is subjected to the load shown. Determine the equations of the slope and elastic curve. EI is constant. 【试求图示梁的转角和挠曲线方程。设弯曲刚度 EI 为常数。】



4. Determine the equation of the elastic curve. Specify the deflection at C . EI is constant. 【试求图示梁的挠曲线和截面 C 的挠度。设弯曲刚度 EI 为常数。】

