

### Example 9.B.5

**Given:** Cantilevered beam loaded as shown.

**Find:** For this problem:

- Determine the expressions for the shear force  $V(x)$  and bending moment  $M(x)$  resultants over the entire range of the beam.
- Make sketches of  $V(x)$  and  $M(x)$  in the plot axes below.

