

## Section 10.2. Shear Force and Bending Moment Diagrams

**Note.** As in the previous section, we can cut a beam at an arbitrary point  $x$  (measured from the left hand end) and calculate  $P$ ,  $V$ , and  $M$  as a function of  $x$ . The force  $P$  will be constant. The graphs of the functions  $V(x)$  and  $M(x)$  are the *shear force and bending moment diagrams*.

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