

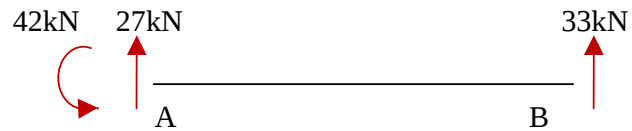
[Remarks:](#) See § 8.2, pages 557 till 575

[Answers 8.10: 1:](#)

a) $V(x) = -\frac{5}{3}x^2 + 27$

$$M(x) = -\frac{5}{9}x^3 + 27x - 42$$

c) See figure below



d) $M_{\max} = M(0) = 42kNm$