

Remarks: See §11.2, page 436 till 441

Answers:

11.3-2:

a.

$$dN_x = -q_n \cdot dx$$

$$N_x = -\int q_n \cdot dx$$

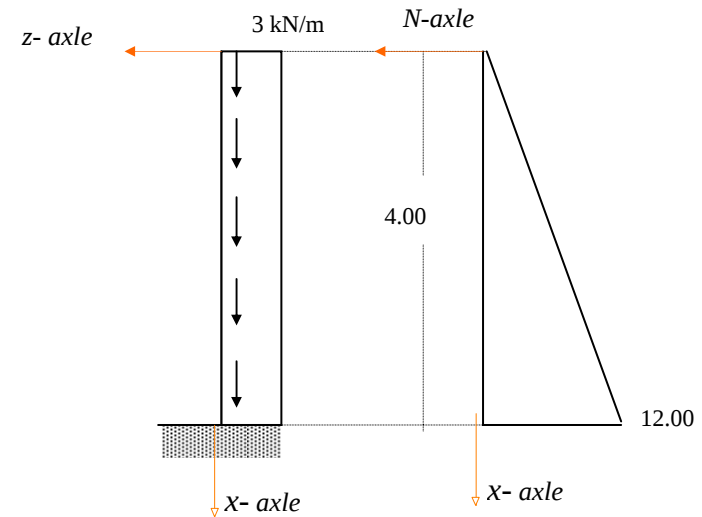
$$N_x = -[3 \cdot x + C] \text{ kN};$$

$$\text{for } x = 0 \Rightarrow N = 0$$

$$\Rightarrow C = 0;$$

$$N_x = -3 \cdot x$$

b.



c. $V_a = 12 \text{ kN} \uparrow$