

Remarks: See §10.2, page 401 till 415

Answers:

a.

**0 < x < 12:**

$$V_x = 12 - \frac{1}{6} x^2;$$

$$M_x = 12 \cdot x - \frac{1}{18} \cdot x^3;$$

**12 < x < 16:**

$$V_x = 12 - 24 = -12$$

$$M_x = 48 - 12(x - 12)$$

