

data  
① ② ③ ④ ⑤ ⑥ ⑦

### Vareta Basica

$$1-a) A = 500/36 = 0,09 m^2$$

$$\begin{aligned} b) l^2 &= 0,09 \\ l &= \sqrt{0,09} = 0,3 \end{aligned}$$

$$P = 4 \cdot 0,3 = 1,2 \text{ m}$$

$$\begin{aligned} 2) A^\alpha &= 2A1 \\ y^3 &= \frac{2x^3}{2x^3} \\ y &= \sqrt[3]{2x^3} \\ y &= x\sqrt[3]{2} \\ y &= \sqrt[3]{2} \cdot x \end{aligned}$$

$$\begin{aligned} 3) 1S &= (10 \cdot x)/2 \\ 10x &= 30 \\ x &= 30/10 = 3 \end{aligned}$$

$$\begin{aligned} 4) 1^c : A &= x(x-3) \\ 2 : A &= (x+1)(x-2) + 16 \\ &= (x+1)(x-2) = x(x-3) + 16 \\ x^2 - 2x + x - 2 &= x^2 - 3x + 16 \\ x^2 - x^2 - x + 3x &= 16 + 2 \\ 2x &= 18 \\ x &= 18/2 = 9 \text{ m} \end{aligned}$$

$$\begin{aligned} 5) A &= (5^\circ \sqrt{3})/4 \\ A &= (\sqrt{3})/4 \\ A &= \sqrt{3} \end{aligned}$$

$$\begin{aligned} &\text{extra } B \\ &\text{extra } A \end{aligned}$$

$$6) A_1 = 6 \cdot 2,5 = 15 \text{ m}^2$$

$$A_2 = 5,8 \cdot 1 = 5,8 \text{ m}^2$$

$$A_3 = 5,5 \cdot 6 = 33,0 \text{ m}^2$$

$$T = 15 + 5,8 + 33,0 = 52,8 \text{ m}^2$$

$$7) A = ((2x+x) \cdot h) / 2$$

$$36 = ((3x \cdot h) / 2)$$

$$72 = 3x \cdot h$$

$$x \cdot h = 72 / 3$$

$$x \cdot h = 24 \text{ cm}^2$$

$$8) \Delta \text{figura 3} = ((6 \cdot 2) / 2) \quad \frac{6 \cdot 2}{12 \cdot 16} = \frac{1}{2}$$

$$\Delta \text{figura 5} = 12 / 2 = 6 \text{ cm}^2$$

$$\Delta \text{figura 3} = (6 \cdot 4) / 2$$

$$\Delta \text{figura 5} = 24 / 2 = 12 \text{ cm}^2$$

$$9) A = 48$$

$$b \cdot l = 48$$

$$A_1 = 3/4 \cdot 5 \cdot 4 / 2$$

$$A_2 = 5 \cdot 4 / 3 \cdot 1 / 2$$

$$A_3 = 48 - 3/4 \cdot 5 \cdot 4 / 2 - 5 \cdot 4 / 3 \cdot 1 / 2$$

$$A_3 = 48 - 18 - 8 = 22$$

$$10) AD^3 = \frac{1}{2} A_{\text{amc}} = \left(\frac{1}{2}\right)^2 A_{\text{abc}}$$

$$2AD^2 = 64$$

$$AD^2 = 64 / 2$$

$$AD = \sqrt{32} = 4\sqrt{2}$$

$$A_{\text{amc}} = 96 / 4$$

$$A_{\text{amc}} = 24 \text{ m}^2$$

$$A_{\text{amc}} = 96 - 24$$

$$A_{\text{amc}} = 72 \text{ m}^2$$