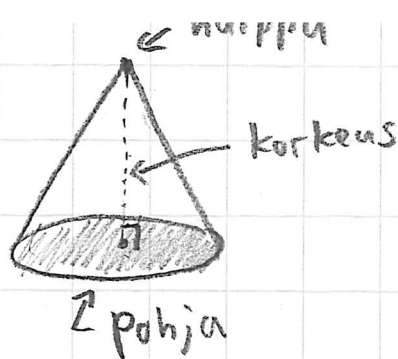
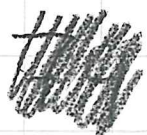


s. 27

KARTIO

$$V = \frac{A_p \cdot h}{3}$$

tilavuus: pohjan pinta-ala  
 kertaa korkeus  
 jaettuna kolme



s. 29

(75)

ympyräkartio

$$V = \frac{\pi r^2 \cdot h}{3}$$

a)  $r = 2,0 \text{ cm}$   
 $h = 3,2 \text{ cm}$

$$V = \frac{3,14 \cdot (2 \text{ cm})^2 \cdot 3,2 \text{ cm}}{3}$$

$$= 13,39733... \text{ cm}^3$$

$$\approx 13 \text{ cm}^3$$

b)  $d = 5,6 \text{ m}$

$$r = \frac{5,6 \text{ m}}{2} = 2,8 \text{ m} \quad h = 1,6 \text{ m}$$

$$V = \frac{3,14 \cdot (2,8 \text{ m})^2 \cdot 1,6 \text{ m}}{3}$$

$$= 13,129... \text{ m}^3$$

$$\approx 13 \text{ m}^3$$

c) 
$$V = \frac{3,14 \cdot (125 \text{ mm})^2 \cdot 68 \text{ mm}}{3}$$

$$= 1\,112\,083,33... \text{ mm}^3$$

$$\approx 1\,100\,000 \text{ mm}^3 \quad (:1000)$$

$$= 1\,100 \text{ cm}^3 \quad (:1000)$$

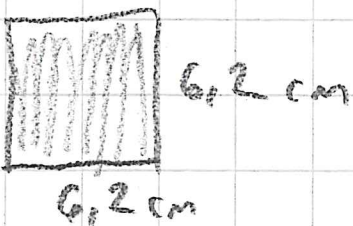
$$= 1,1 \text{ dm}^3$$

76

Pyramidi

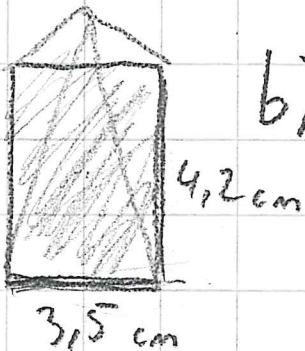
$$V = \frac{A_p \cdot h}{3}$$

a) 
$$V = \frac{6,2 \text{ cm} \cdot 6,2 \text{ cm} \cdot 4,8 \text{ cm}}{3}$$



$$= 61,504 \text{ cm}^3$$

$$\approx 62 \text{ cm}^3 \quad (\text{tai } 61,5 \text{ cm}^3)$$



b) 
$$V = \frac{3,5 \text{ cm} \cdot 4,2 \text{ cm} \cdot 5,2 \text{ cm}}{3}$$

$$= 25,48 \text{ cm}^3$$

$$(\approx 25 \text{ cm}^3)$$

S.31

89

90 A