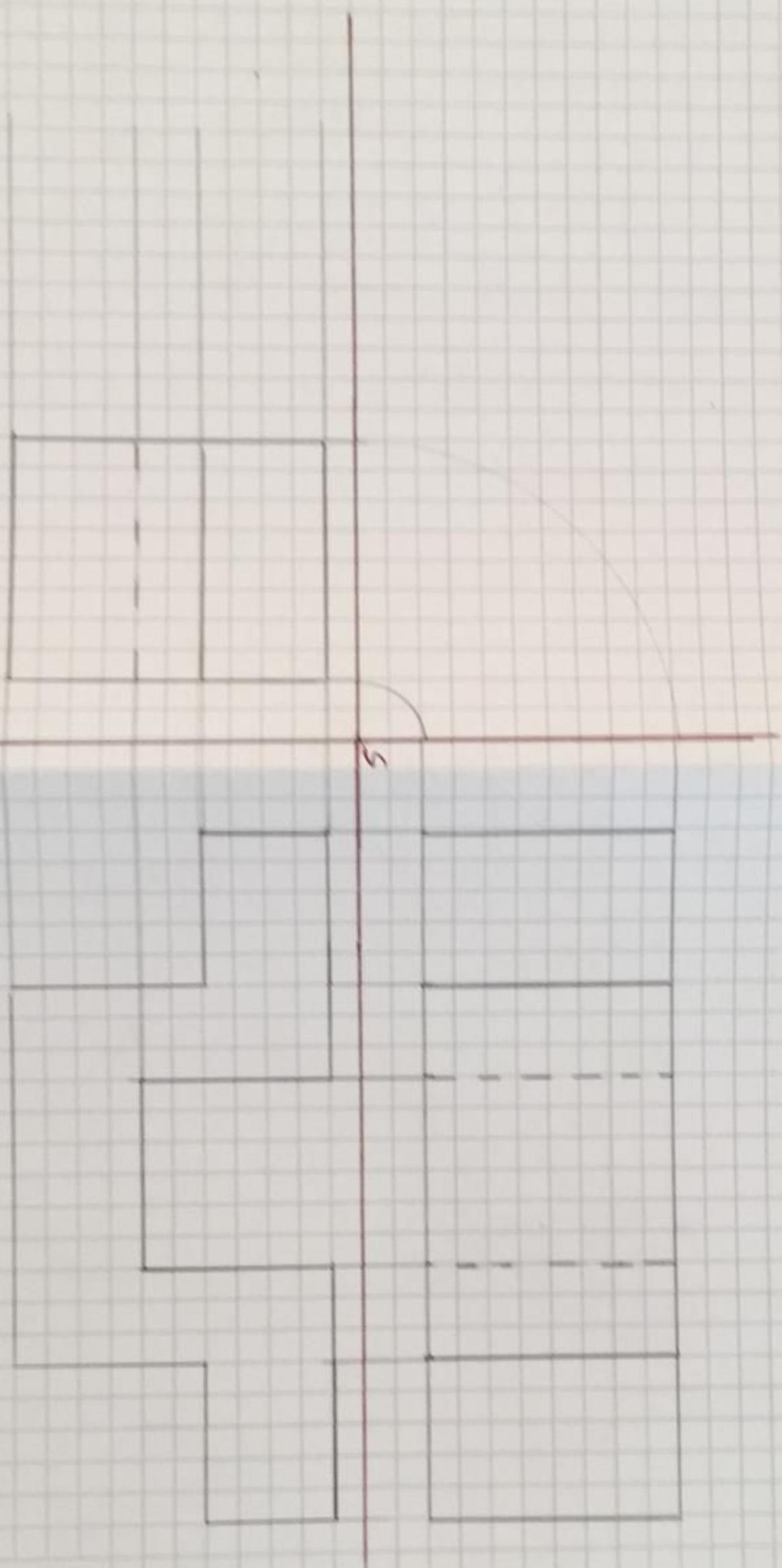
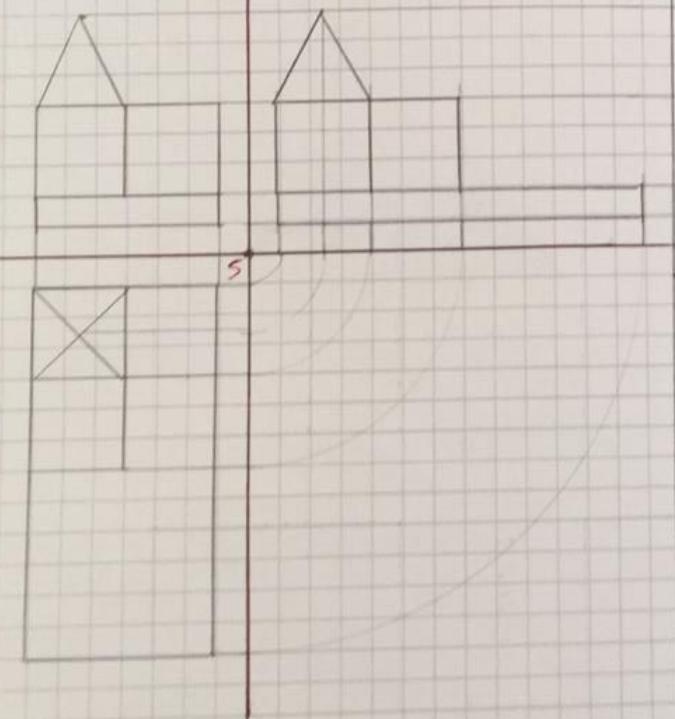


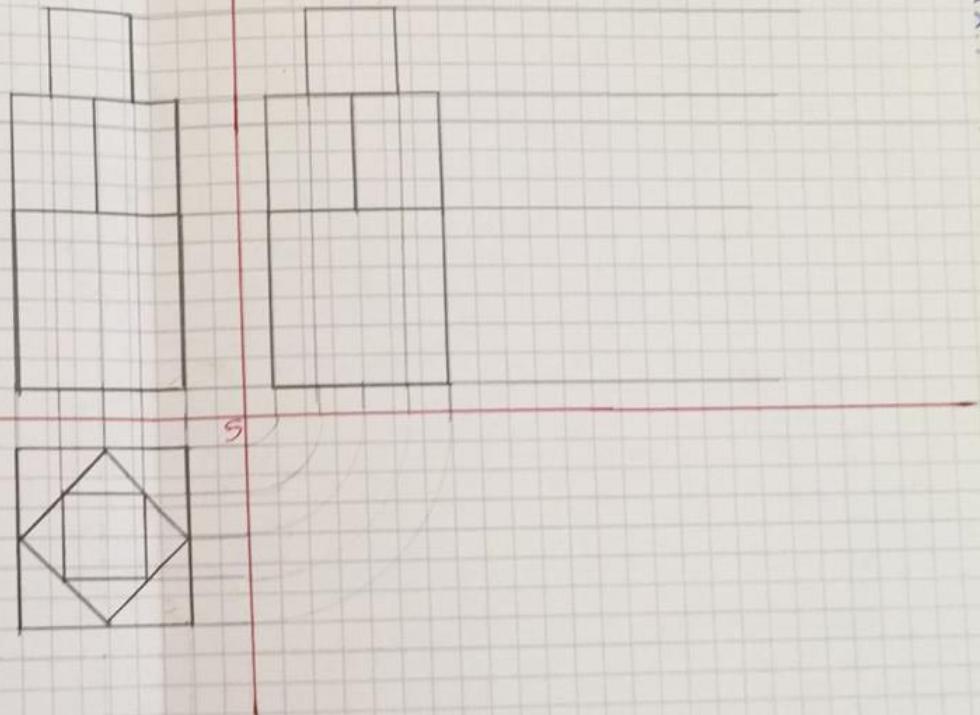
8

S. 82/3a.

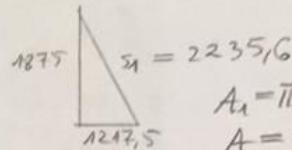
6)



7)



(8.)



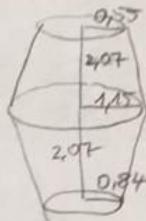
$$A_1 = \pi \cdot 1,5 = 855,0942 \text{ mm}^2$$

$$A = 207929,21 \text{ mm}^2 = \underline{\underline{20,8 \text{ m}^2}}$$

$$S_2 = 3200,6$$

$$A_2 = 12241979 \text{ mm}^2$$

(9.)

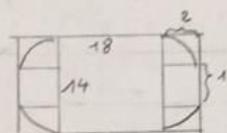


$$V = \frac{1}{3}\pi \cdot 2,07 \cdot (0,55^2 + 0,55 \cdot 1,15 + 1,15^2)$$

$$+ \frac{1}{3}\pi \cdot 2,07 (1,15^2 + 1,15 \cdot 0,84 + 0,84^2)$$

$$V = \underline{\underline{11,38 \text{ m}^3}}$$

(10.)



$$A = 14 \cdot 18 + \pi \cdot 2^2 + 2 \cdot 10 \cdot 2 = 304,57 \text{ cm}^2$$

$$V = 304,566 \text{ cm}^3$$

Metall: 822,3 g

(11.)

$$V_{\text{Prisma}} = 0,9^2 \cdot 1,2 = 0,972 \}$$

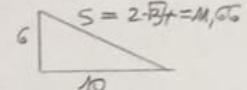
$$V_{\text{Pyri.}} = \frac{1}{3} \cdot 0,9^2 \cdot 1,15 = 0,405 \}$$

$$1,377 \text{ m}^3 = 1377000 \text{ cm}^3 = \underline{\underline{3580,2 \text{ kg}}}$$

(12.)

a)  $A_0 = \underbrace{2 \cdot 15 \cdot 2 + \pi \cdot 20 \cdot 2}_{\text{rosa}} + \underbrace{2 \cdot 15 \cdot 2\sqrt{14}}_{\text{Kiln}} + \underbrace{\pi \cdot 10 \cdot 2\sqrt{14}}_{\text{Abh.}}$

$$= \underline{\underline{839,06 \text{ m}^2}}$$



b)

$V_{\text{rosa}} = 20 \cdot 15 \cdot 2 + \pi \cdot 10^2 \cdot 2 = 1228,32 \}$	$= 1228,32 \}$
$V_{\text{Abh.}} = \frac{1}{3} \pi \cdot 10^2 \cdot 6 = 200\pi$	$= 200\pi \}$
$V_{\text{Prisma}} = \frac{1}{2} \cdot 20 \cdot 6 \cdot 15 ,$	$= 900 \}$

$$\underline{\underline{2756,64 \text{ m}^3}}$$

(13.)

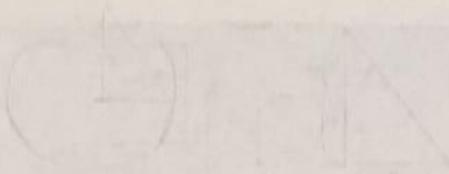
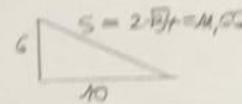
$$V_{Pyramide} = \frac{1}{3} \cdot 99^2 \cdot 1,15 = 0,405 \text{ m}^3$$

(12.) a)  $A_0 = \underbrace{2 \cdot 15 \cdot 2}_{\text{rechtecke}} + \underbrace{\pi \cdot 20 \cdot 2}_{\text{Kreisell}} + \underbrace{2 \cdot 15 \cdot 2 \sqrt{4}}_{\text{Rechtecke}} + \underbrace{\pi \cdot 10 \cdot 2 \sqrt{4}}_{\text{Kreisell}}$

$$= 839,06 \text{ m}^2$$

b)  $V_{\text{rechtecke}} = 20 \cdot 15 \cdot 2 + \pi \cdot 10^2 \cdot 2 = 1228,32 \quad \left. \begin{array}{l} \\ \end{array} \right\}$   
 $V_{\text{Kreisell}} = \frac{4}{3} \pi \cdot 10^2 \cdot 6 = 200 \pi \quad \left. \begin{array}{l} \\ \end{array} \right\}$   
 $V_{\text{Prisma}} = \frac{1}{2} \cdot 20 \cdot 6 \cdot 15 = 900 \quad \left. \begin{array}{l} \\ \end{array} \right\}$   

$$\underline{2756,64 \text{ m}^3}$$



zu 10.1)

grundfläche:

