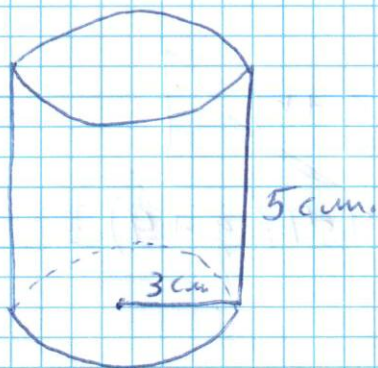


(14)

a)



$$A = A_{\text{lateral}} + A_{\text{base}}$$

(1) (2)

$$(1) \quad A_l = 2\pi r \cdot h = 2 \cdot 3.14 \cdot 3 \cdot 5 = 94.2 \text{ cm}^2$$

$$(2) \quad A_{\text{base}} = \pi r^2 = 3.14 \cdot 3^2 = 28.26 \text{ cm}^2$$

$$A_{\text{bases}} = 28.26 \cdot 2 = 56.52 \text{ cm}^2$$

$$A_{\text{total}} = 94.2 + 56.52 = \underline{\underline{150.72 \text{ cm}^2}}$$

14 (6)

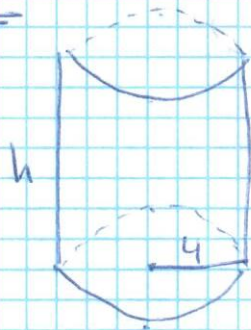


$$A = \pi \cdot r (g + r) = 3.14 \cdot 4 (6 + 4) =$$

$$= 3.14 \cdot 4 \cdot 10 = \underline{\underline{125.6 \text{ cm}^2}}$$

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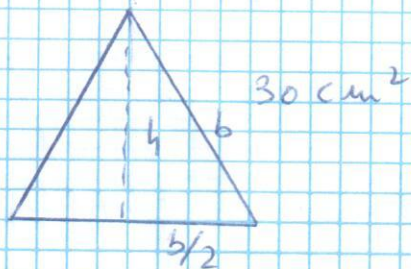


$$A_1 = 2 \cdot \pi \cdot r \cdot h$$

$$75'36 = 2 \cdot 3'14 \cdot 4 \cdot h$$

$$h = \frac{75'36}{2 \cdot 3'14 \cdot 4} = \frac{75'36}{25'12} = \underline{\underline{3 \text{ cm}}}$$

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$$b^2 = h^2 + \left(\frac{b}{2}\right)^2$$

$$h^2 = b^2 - \left(\frac{b}{2}\right)^2 = b^2 - \frac{b^2}{4} =$$

$$= \frac{4b^2}{4} - \frac{b^2}{4} = \frac{3b^2}{4}$$

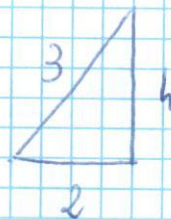
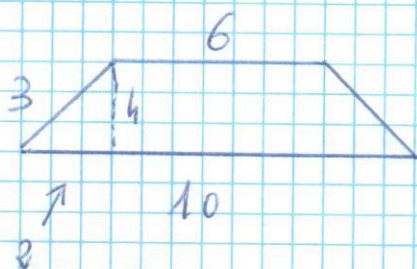
$$h^2 = \frac{3b^2}{4}$$

$$h = \sqrt{\frac{3b^2}{4}} = \frac{b\sqrt{3}}{2}$$

$$A = \frac{b \cdot h}{2} \parallel 30 = \frac{b \cdot \frac{b\sqrt{3}}{2}}{2} = \frac{b^2\sqrt{3}}{4} \parallel$$

$$b^2 = \frac{30 \cdot 4}{\sqrt{3}} \parallel \quad b = \sqrt{\frac{30 \cdot 4}{\sqrt{3}}} = \underline{\underline{8'32 \text{ cm}}}$$

70a



$$3^2 = h^2 + 2^2 \parallel h^2 = 3^2 - 2^2 = 9 - 4 = 5$$

$$h = \sqrt{5} = 2'24 \text{ cm}$$

$$A = \frac{(B + b) \cdot h}{2} = \frac{(10 + 6) \cdot 2'24}{2} = \underline{\underline{17'92 \text{ cm}^2}}$$