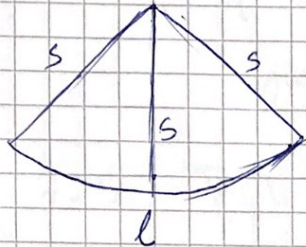


Купа



$$\rightarrow B = r^2 \bar{J}$$



M-кружни усецак

$$P_{ku} = \frac{s^2 \bar{J} \alpha}{360^\circ}$$

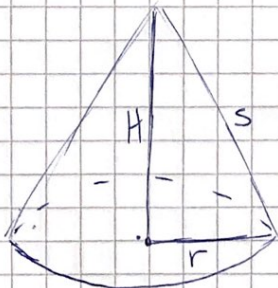
$$l = 2r \bar{J} \quad l = \frac{s \bar{J} \alpha}{360^\circ}$$

$$M = \frac{s}{2} \cdot \left(\frac{s \alpha \bar{J}}{180^\circ} \right) l = \frac{s}{2} \cdot 2r \bar{J} = s \cdot r \cdot \bar{J}$$

$$P = B + M$$

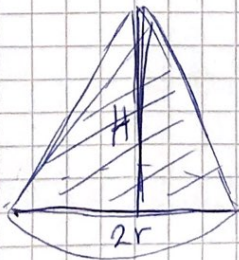
$$P = r^2 \bar{J} + s \cdot r \cdot \bar{J} = r \bar{J} (r + s)$$

$$V = \frac{B \cdot H}{3}$$



$$H^2 + r^2 = s^2$$

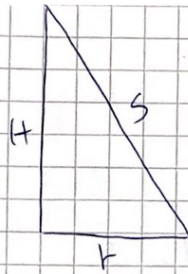
Осци пресек купе је троугао (JKK Δ)



$$P_{op} = \frac{2r \cdot H}{2} = r \cdot H$$

724.

$$\begin{aligned} \alpha) \quad r &= 3 \text{ cm} \\ H &= 4 \text{ cm} \\ S &= ? \end{aligned}$$



$$r^2 + H^2 = S^2$$

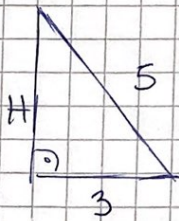
$$9 + 16 = S^2$$

$$S^2 = 25$$

$$\boxed{S = 5}$$

$$725. \quad \alpha) \quad r = 3 \text{ cm} \quad S = 5 \text{ cm}$$

$$P, V = ?$$



$$H^2 = 5^2 - 3^2$$

$$H^2 = 25 - 9$$

$$H^2 = 16 \Rightarrow H = 4$$

$$P = B + M$$

$$V = \frac{B \cdot H}{3}$$

$$B = r^2 \bar{J}_1$$

$$V = \frac{39 \bar{u} \cdot 4}{3}$$

$$B = 9 \bar{J}_1 \text{ cm}^2$$

$$V = 12 \bar{J}_1 \text{ cm}^3$$

$$M = s \cdot r \cdot \bar{J}_1$$

$$M = 5 \cdot 3 \cdot \bar{J}_1$$

$$M = 15 \bar{J}_1 \text{ cm}^2$$

$$P = 24 \bar{J}_1 \text{ cm}^2$$

$$727. \quad 2r = 24 \text{ cm} \Rightarrow r = 12 \text{ cm}$$

$$S = 13 \text{ cm}$$

$$P, V = ?$$

$$H^2 = S^2 - r^2$$

$$H^2 = 169 - 144$$

$$H^2 = 25$$

$$H = 5$$

$$P = B + M$$

$$B = r^2 \bar{J}$$

$$B = 144 \bar{J} \text{ cm}^2$$

$$M = s \cdot r \cdot \bar{J}$$

$$M = 156 \bar{J} \text{ cm}^2$$

$$P = 144 \bar{J} + 156 \bar{J}$$

$$P = 300 \bar{J} \text{ cm}^2$$

$$V = \frac{B \cdot H}{3}$$

$$V = \frac{144 \bar{J} \cdot 5}{3}$$

$$V = 240 \text{ cm}^3$$

$$729. \quad r : H = 3 : 4 \Rightarrow r = 3k$$

$$H = 4k$$

$$M = 60 \bar{u} \text{ cm}^2$$

$$V = ?$$

$$s \cdot r \cdot \bar{J} = 60 \bar{u} \text{ cm}^2$$

$$s \cdot r = 60 \text{ cm}^2$$

$$\Rightarrow 5k \cdot 3k = 60 \text{ cm}^2$$

$$15k^2 = 60$$

$$k^2 = \frac{60}{15}$$

$$k^2 = 4$$

$$k = 2$$

$$s^2 = r^2 + H^2$$

$$s^2 = 9k^2 + 16k^2$$

$$s^2 = 25k^2$$

$$s = 5k$$

$$\Rightarrow r = 6 \quad H = 8 \quad s = 10$$

$$V = \frac{B \cdot H}{3}$$

$$V = \frac{36 \bar{J} \cdot 8}{3} = 96 \bar{J} \text{ cm}^3$$

$$B = 36 \bar{J} \text{ cm}^2$$

$$730. \quad H = 12 \text{ cm}$$

$$s = r + 6$$

$$M = ?$$

$$M = s \cdot r \cdot \sqrt{1}$$

$$M = 15 \cdot 9 \cdot \sqrt{1}$$

$$M = 135 \sqrt{1} \text{ cm}^2$$

$$H^2 = s^2 - r^2$$

$$H^2 = (r+6)^2 - r^2$$

$$H^2 = \cancel{r^2} + 12r + 36 - \cancel{r^2}$$

$$144 = 12r + 36$$

$$12r = 108$$

$$r = 9 \quad \Rightarrow \quad s = 15$$

$$731. \quad P = 24 \sqrt{1} \text{ cm}^2$$

$$M = 15 \sqrt{1} \text{ cm}^2$$

$$V = ?$$

$$B = P - M$$

$$B = 9 \sqrt{1} \text{ cm}^2 \quad \Rightarrow \quad r = 3 \text{ cm}$$

$$15 \sqrt{1} = s \cdot 3 \cdot \sqrt{1}$$

$$\boxed{s = 5}$$

$$\Rightarrow H^2 = s^2 - r^2$$

$$H^2 = 25 - 9$$

$$H^2 = 16 \quad \Rightarrow \quad H = 4$$

$$V = \frac{3 \cdot 9 \sqrt{1} \text{ cm}^2 \cdot 4 \text{ cm}}{3 \cdot 1} = 12 \text{ cm}^3$$

732.



$$Pop = 2 \cdot 13 \text{ cm}^2 = 26 \text{ cm}^2$$

$$735. P = 96 \text{ cm}^2$$

$$s = 10 \text{ cm}$$

$$V = ?$$

$$r^2 \sqrt{1} + r \cdot s \cdot \sqrt{1} = 96 \text{ cm}^2$$

$$r^2 + r(10) = 96 \text{ cm}^2$$

$$r(r+10) = 96 \text{ cm}^2$$

$$r = 6$$

$$H^2 = 10^2 - 6^2 = 100 - 36$$

$$H^2 = 64 \Rightarrow H = 8$$

$$V = \frac{r^2 \sqrt{1} \cdot 8}{3} = \frac{36 \sqrt{1} \cdot 8}{3} = 96 \sqrt{1} \text{ cm}^3$$

$$736. a) \text{ Pop} = ?$$

$$r = 3 \quad s = 5$$

$$H^2 = s^2 - r^2$$

$$H^2 = 25 - 9$$

$$H^2 = 16 \Rightarrow H = 4$$

$$\text{Pop} = r \cdot H = 3 \cdot 4$$

$$\boxed{\text{Pop} = 12}$$