

357) $P = ?$ $h = ?$

$a = 10 \text{ cm}$

$H = 12 \text{ cm}$

Травматична тетраборосидна пирамида

$$P = B + M = a^2 + 4 \cdot \frac{a \cdot h}{2}$$

$h = ?$

$$h^2 = H^2 + \left(\frac{a}{2}\right)^2 = 144 + 25$$

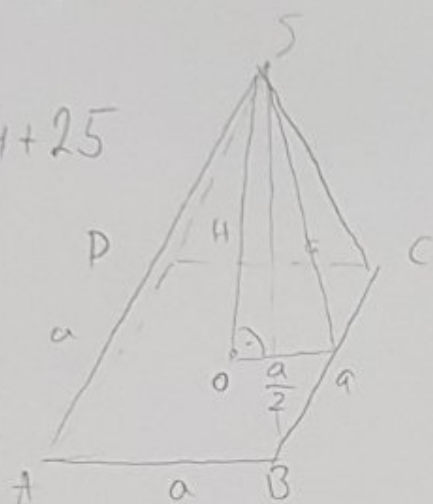
$= 169$

$h = 13 \text{ cm}$

$$P = 100 + 4 \cdot \frac{10 \cdot 13}{2}$$

$= 100 + 2 \cdot 10 \cdot 13$

$= 100 + 260 = 360 \text{ cm}^2$



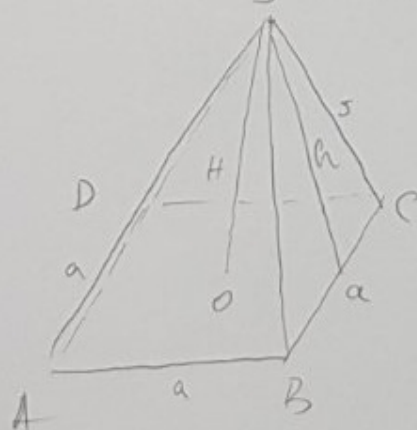
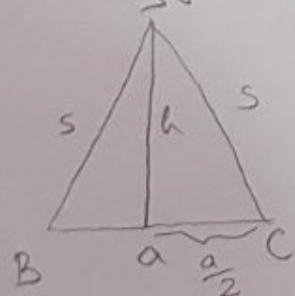
358) $P = ?$

(гомотична уградилу а и б само добришну)

б) $a = 12 \text{ cm}$

$s = 10 \text{ cm}$

$\triangle BCS$ једнакокрак



$$h^2 = s^2 - \left(\frac{a}{2}\right)^2 = 100 - \left(\frac{12}{2}\right)^2 = 100 - 36 = 64$$

$h = 8 \text{ cm}$

$$P = B + M = a^2 + 4 \cdot \frac{a \cdot h}{2} = 144 + 2 \cdot 12 \cdot 8 = 144 + 192 = 336 \text{ cm}^2$$

$$382) P = ?$$

$$a) a = 20\sqrt{3} \text{ cm}$$

$$H = 24 \text{ cm}$$

$$P = B + M = \frac{a^2\sqrt{3}}{4} + 3 \cdot \frac{a \cdot h}{2} =$$

$$B = \frac{a^2\sqrt{3}}{4} = \frac{(20\sqrt{3})^2\sqrt{3}}{4} = \frac{20^2(\sqrt{3})^2 \cdot \sqrt{3}}{4}$$

$$= \frac{400 \cdot 3\sqrt{3}}{4} = \frac{300\sqrt{3} \text{ cm}^2}{1}$$

$$r = \frac{1}{3} \frac{a\sqrt{3}}{2} = \frac{20\sqrt{3} \cdot \sqrt{3}}{6} = \frac{20 \cdot 3}{6} = \underline{\underline{10 \text{ cm}}}$$

$$\text{for } r_u = \frac{1}{3}h$$

$$h^2 = h_u^2 + H^2 = 100 + 576 = 676$$

$$h = 26 \text{ cm}$$

$$M = 3 \cdot \frac{a \cdot h}{2} = 3 \cdot \frac{20\sqrt{3} \cdot 26}{2} = 3 \cdot 10\sqrt{3} \cdot 26 = 780\sqrt{3} \text{ cm}^2$$

$$P = B + M = 300\sqrt{3} \text{ cm}^2 + 780\sqrt{3} \text{ cm}^2 = 1080\sqrt{3} \text{ cm}^2$$

