

ZN 2/ str 130 / nal 27

3. kden - 4. ura

PRAVILNA 3-STRANA PIRAMIDA

$\sigma = 49\sqrt{3} \text{ dm}^2$

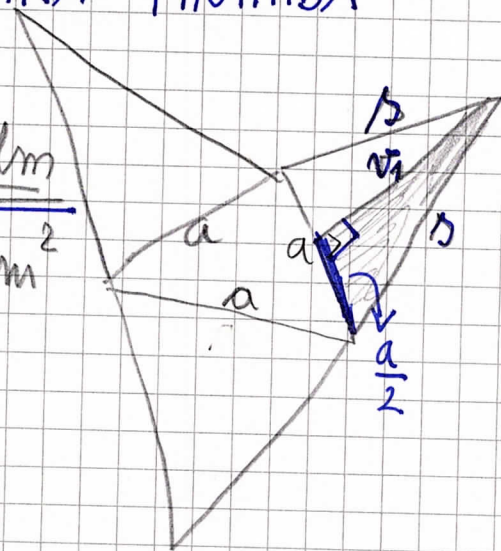
$s = 2,5 \text{ m} = 25 \text{ dm}$

$P = 7(7\sqrt{3} + 72) \text{ dm}^2$

$a = 14 \text{ dm}$

$v_1 = 24 \text{ dm}$

$pl = 504 \text{ dm}^2$



$\sigma = \frac{a^2\sqrt{3}}{4}$

$49\sqrt{3} = \frac{a^2\sqrt{3}}{4} \cdot 4$

$196\sqrt{3} = a^2\sqrt{3}$

$a^2 = 196$

$a = \sqrt{196}$

$a = 14 \text{ dm}$

$pl = 3 \cdot \frac{a \cdot v_1}{2}$

$pl = \frac{3 \cdot 14 \cdot 24}{2 \cdot 1}$

$pl = 504 \text{ dm}^2$

$v_1^2 = s^2 - \left(\frac{a}{2}\right)^2$

$v_1^2 = 25^2 - 7^2$

$v_1^2 = 625 - 49$

$v_1^2 = 576$

$v_1 = \sqrt{576}$

$v_1 = 24 \text{ dm}$

$P = \sigma + pl$

$P = (49\sqrt{3} + 504) \text{ dm}^2$

$P = 7(7\sqrt{3} + 72) \text{ dm}^2$

$\frac{504 \cdot 7 \cdot 7}{14}$

$\frac{24 \cdot 21}{48}$
 $\frac{48}{24}$
 504