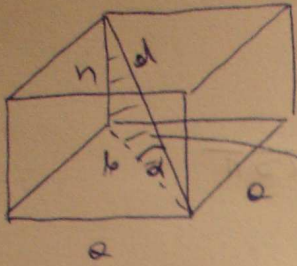
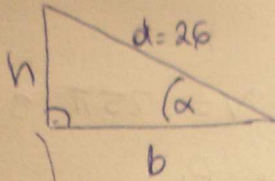


ZAD



$$d = 26 \text{ cm}$$
$$\cos \alpha = \frac{5}{13}$$

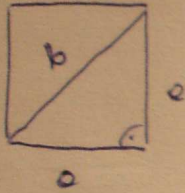
$$P_{\text{box}} = ?$$



$$\cos \alpha = \frac{b}{d}$$

$$\frac{5}{13} = \frac{b}{26} \Rightarrow b = \frac{5 \cdot 26}{13} = 10$$

PODSTAWA



z TW. PITAGORASA

$$b^2 = a^2 + a^2$$

$$b^2 = 2a^2$$

$$10^2 = 2a^2$$

$$100 = 2a^2 \quad : 2$$

$$50 = a^2 \quad | \sqrt{}$$

$$a = \sqrt{50} = 5\sqrt{2}$$

SPRAWDZONE
GEOMETRYCZNE 😊

$$P_{\text{box}} = 4 P_{\square \text{ box}}$$

$$P_{\square \text{ box}} = a \cdot h = 5\sqrt{2} \cdot 24 = 120\sqrt{2}$$

h z TW. PITAGORASA

$$h^2 = d^2 - b^2$$

$$h^2 = 26^2 - 10^2$$

$$h^2 = 676 - 100$$

$$h = \sqrt{576}$$

$$h = 24$$

$$P_{\text{box}} = 4 \cdot P_{\square \text{ box}} = 4 \cdot 120\sqrt{2} = 480\sqrt{2} \text{ cm}^2$$