

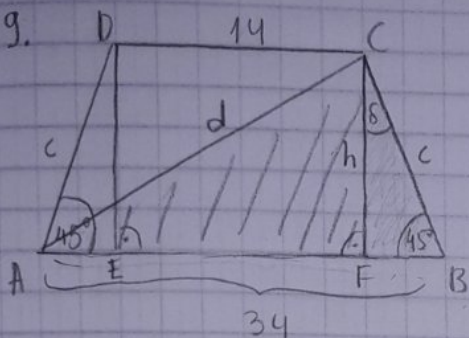
Вендибање = Пинјаторина теорема =

23.11.20

* Збирка, страна 45:

Ловати: 361, 358 (сез d)

359.



$$a = 34 \text{ cm} \quad b = 14 \text{ cm} \quad \alpha = 45^\circ \quad d = ?$$

$$\delta + 90^\circ + 45^\circ = 180^\circ \quad \delta = 180^\circ - (90^\circ + 45^\circ)$$

$$\delta = 180^\circ - 135^\circ \quad \delta = 45^\circ \quad \boxed{\delta = d} \Rightarrow h = \frac{a-b}{2}$$

$$h = \frac{a-b}{2} = \frac{34-14}{2} \quad h = \frac{20}{2} \quad \boxed{h = 10 \text{ cm}}$$

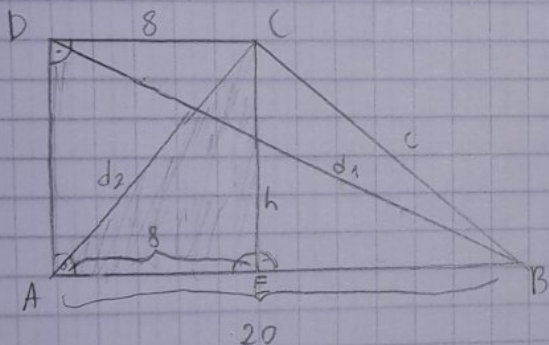
$$c^2 = \left(\frac{a-b}{2}\right)^2 + h^2 \quad c^2 = 100 + 100 \quad c^2 = 200$$

$$c = \sqrt{200} \quad c = \sqrt{8 \cdot 25} \quad \boxed{c = 5\sqrt{8} \text{ cm}}$$

$$d^2 = (34-10)^2 + 10^2 \quad d^2 = 24^2 + 100 \quad d^2 = 576 + 100$$

$$\boxed{d = 26 \text{ cm}}$$

362.



$$a = 20 \text{ cm} \quad b = 8 \text{ cm} \quad P = 210 \text{ cm}^2$$

$$P = \frac{a+b}{2} \cdot h \quad 210 = \frac{20+8}{2} \cdot h$$

$$210 = 14 \cdot h \quad h = \frac{210}{14} \quad h = \frac{105}{2} \text{ cm}$$