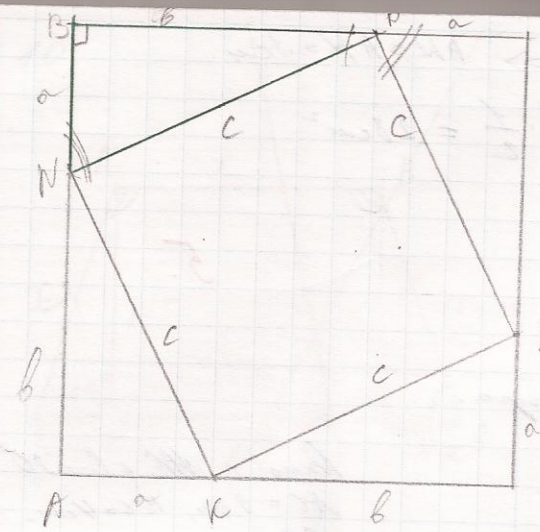


$S(ABCD) = S(KNPL) + 4 \cdot S(NB$

$(a+b)^2$ $\quad \frac{1}{2}ab$

$KNPL$ - ромб

$\angle NPL = 180° - (\angle BPN + \angle CPL)$

$= 180° - (\angle BPN + \angle BNP)$ $\quad \angle BNP = \angle B$

$90°$ $\quad 90°$

$\angle NPL = \angle NKL = 90°$

$\angle LKN + \angle PNK = 180°$ (одн.)

$\angle PNK = 90°$

$\angle PNK = \angle LKN = 90°$, $KNPL$ - квадрат.

$(a+b)^2 = c^2 + 4 \cdot \frac{1}{2}ab$

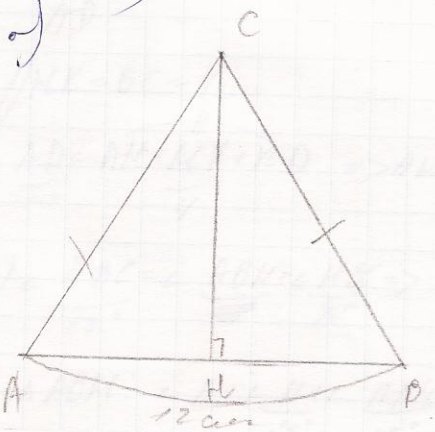
$a^2 + 2ab + b^2 = c^2 + 2ab$

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

Тригонометрия - измерение треугольников.

№ 4.90 (а,в)

а)



Дано: $\triangle ABC$: $AC = BC$, $AB = 12$ см,
$CH \perp AB = H$, $CH = 8$ см.
Найти: AC, $S(\triangle ABC)$