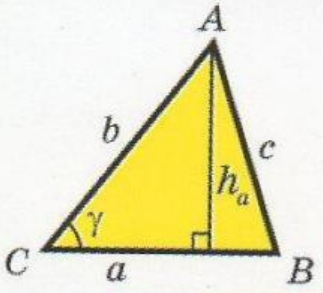
ПЛОЩІ ТРИКУТНИКІВ І ЧОТИРИКУТНИКІВ

ПЛОЩА ТРИКУТНИКА

Довільний трикутник



$$S = \frac{1}{2} a \cdot h_a$$

$$S = \frac{1}{2} ab \sin\gamma$$

$$S = \sqrt{p(p-a)(p-b)(p-c)}$$ – формула Герона $\left(p = \frac{a+b+c}{2}\right)$

$S = \frac{abc}{4R}$, де R – радіус описаного кола

$S = r \cdot p$, де r – радіус вписаного кола

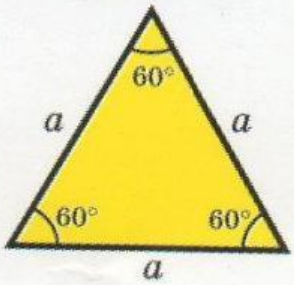
Прямокутний трикутник

$$S = \frac{1}{2} ab$$

$$S = \frac{1}{2} c \cdot h_c$$

$$S = \frac{1}{2} bc \sin A$$

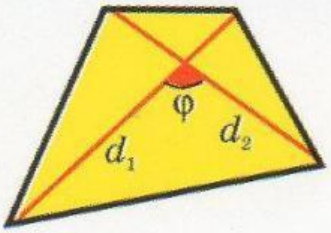
Правильний трикутник



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

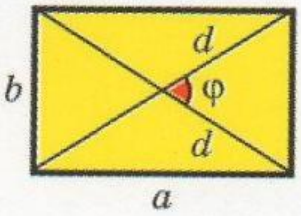
ПЛОЩА ЧОТИРИКУТНИКА

Довільний чотирикутник



$$S = \frac{1}{2} d_1 d_2 \sin\varphi$$

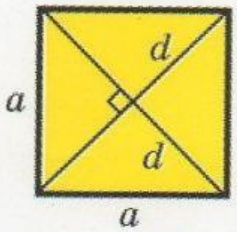
Прямокутник



$$S = ab$$

$$S = \frac{1}{2} d^2 \sin\varphi$$

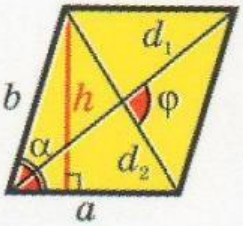
Квадрат



$$S = a^2$$

$$S = \frac{1}{2} d^2$$

Паралелограм

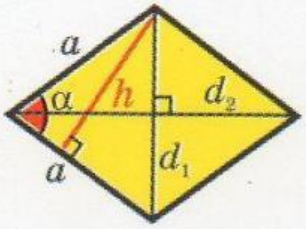


$$S = a \cdot h$$

$$S = ab \sin\alpha$$

$$S = \frac{1}{2} d_1 d_2 \sin\varphi$$

Ромб

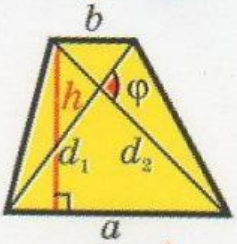


$$S = a \cdot h$$

$$S = a^2 \sin\alpha$$

$$S = \frac{1}{2} d_1 d_2$$

Трапеція



$$S = \frac{a+b}{2} \cdot h$$

$$S = m \cdot h$$

$$S = \frac{1}{2} d_1 d_2 \sin\varphi$$

LIVEWORKSHEETS