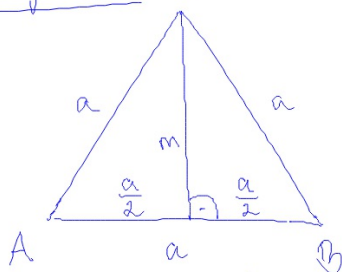


Speciális háromszögek

Szabályos Δ



$(a > 0; m > 0)$

$$m = \frac{a\sqrt{3}}{2}$$

$$m^2 + \left(\frac{a}{2}\right)^2 = a^2$$

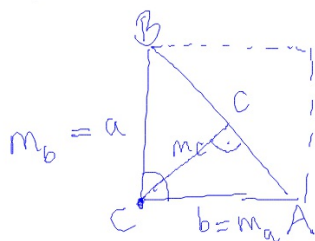
$$m^2 + \frac{a^2}{4} = a^2$$

$$m^2 = \frac{3a^2}{4}$$

$$m = \frac{a\sqrt{3}}{2}$$

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

Derékszögű Δ



$$T = \frac{ab}{2}$$

Háromszögek és négyszögek területe

Négyszögek

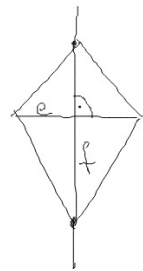
Trapezok
(Van egy párh. oldalpárja)



$$T = \frac{(a+c) \cdot m}{2}$$

Deltoidok

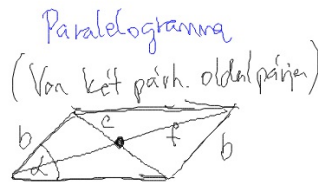
(Tetszőlegesen szimm.,
középp. 2 csúcs ill.)



$$T = \frac{ef}{2}$$

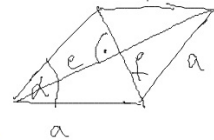
Szimmetrikus
trapezoidok
 $b = d$

Derékszögű
trapezoidok



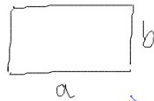
$$T = absnd$$

Rombusz
(Oldalai egyenlő hossz.)

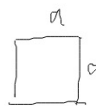


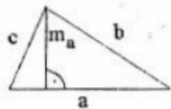
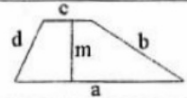
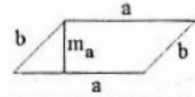
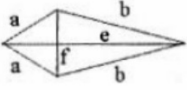
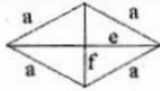
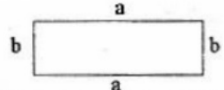


$$T = a^2 \sin \alpha = \frac{ef}{2}$$

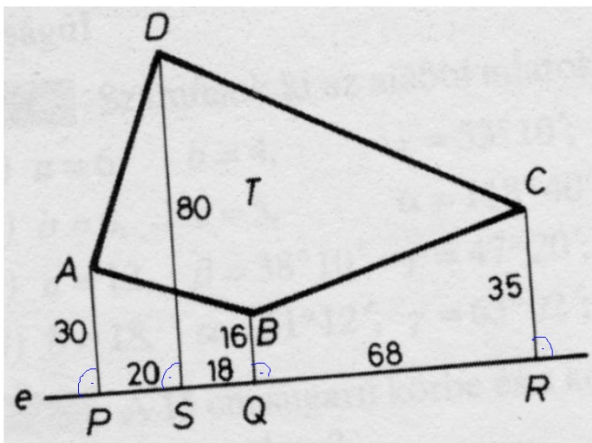
Téglalap
(Szögük egyenlő)



Négyzet
(Szabályos négyszög)



Síkidom		Kerület(K)	Terület(T)
Háromszög		$K = a+b+c$	$T = \frac{a \cdot m_a}{2} = \frac{b \cdot m_b}{2} = \frac{c \cdot m_c}{2}$
Trapéz		$K = a+b+c+d$	$T = \frac{a+c}{2} \cdot m$
Paralelogramma		$K = 2 \cdot (a+b)$	$T = a \cdot m_a = b \cdot m_b$
Deltoid		$K = 2 \cdot (a+b)$	$T = \frac{e \cdot f}{2}$
Rombusz		$K = 4 \cdot a$	$T = \frac{e \cdot f}{2}$ $T = a \cdot m$
Téglalap		$K = 2 \cdot (a+b)$	$T = a \cdot b$
Négyzet		$K = 4 \cdot a$	$T = a^2$
Kör		$K = 2 \cdot r \cdot \pi$	$T = r^2 \cdot \pi$



$$\begin{aligned}
 T &= T_{APSD} + T_{DSRC} \\
 &\quad - T_{APQB} - T_{BQRC} = \\
 &= \frac{(80+30) \cdot 20}{2} + \frac{(80+35) \cdot 86}{2} =
 \end{aligned}$$

Házi Feladat

