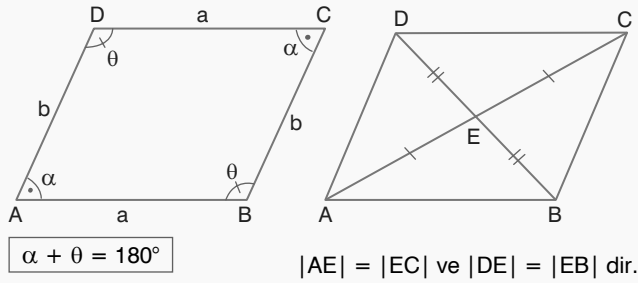




PARALELKENAR

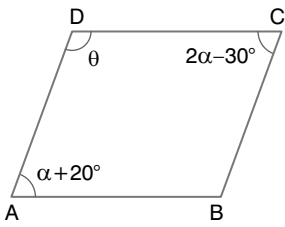
Paralelkenar



$$\alpha + \theta = 180^\circ$$

$|AE| = |EC|$ ve $|DE| = |EB|$ dir.

Örnek 1



ABCD paralelkenar

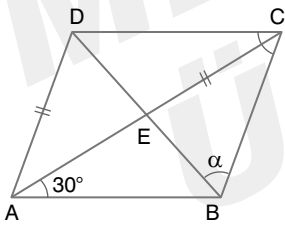
$$m(\widehat{DAB}) = \alpha + 20^\circ$$

$$m(\widehat{BCD}) = 2\alpha - 30^\circ$$

$$m(\widehat{ADC}) = \theta$$

Buna göre, $\theta - \alpha$ farkı kaç derecedir?

Örnek 2



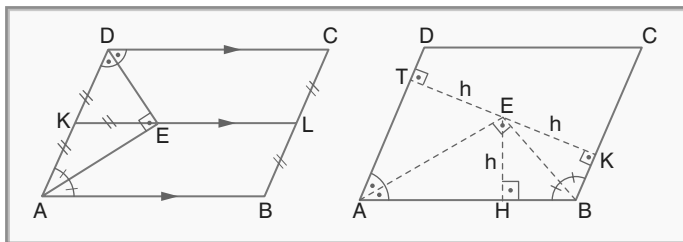
ABCD paralelkenar

$$|AD| = |CE|$$

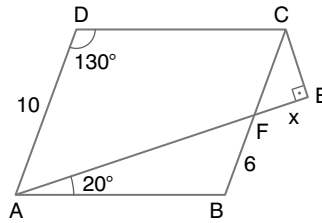
$$|AB| = |DB|$$

$$m(\widehat{CAB}) = 30^\circ$$

olduğuna göre, $m(\widehat{DBC}) = \alpha$ kaç derecedir?



Örnek 3



ABCD paralelkenar

$$[CE] \perp [AE]$$

$$m(\widehat{EAB}) = 20^\circ$$

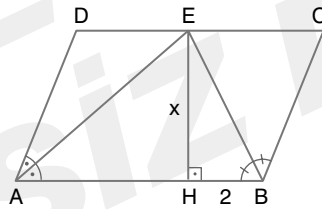
$$m(\widehat{ADC}) = 130^\circ$$

$$|AD| = 10 \text{ cm}$$

$$|BF| = 6 \text{ cm}$$

Buna göre, $|FE| = x$ kaç cm'dir?

Örnek 4



ABCD paralelkenar

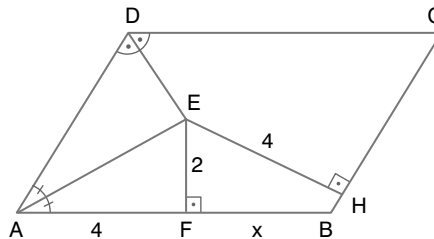
$[AE]$ ve $[BE]$ açıortay

$$[EH] \perp [HB]$$

$$|HB| = 2 \text{ cm}$$

ABCD paralelkenarının çevresi 30 cm olduğuna göre, $|EH| = x$ kaç cm'dir?

Örnek 5



ABCD paralelkenar

$[DE]$ ve $[AE]$ açıortay

$$[EH] \perp [BC]$$

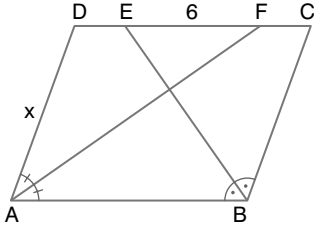
$$[EF] \perp [AB]$$

$|AF| = 4 \text{ cm}$, $|EF| = 2 \text{ cm}$, $|EH| = 4 \text{ cm}$

Buna göre, $|FB| = x$ kaç cm'dir?



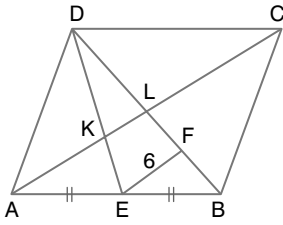
Örnek 6



ABCD paralelkenar
[AF] ve [BE] açıortay
 $|EF| = 6$ cm

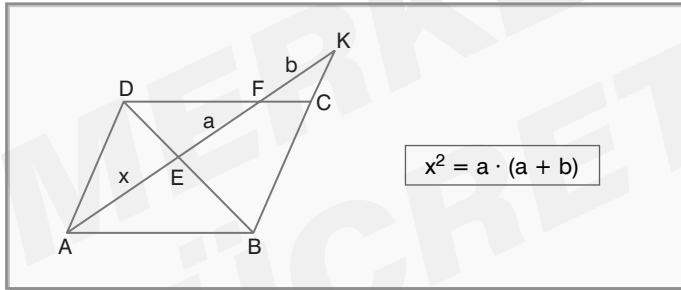
ABCD paralelkenarının çevresi 36 cm olduğuna göre, $|AD| = x$ kaç cm'dir?

Örnek 7



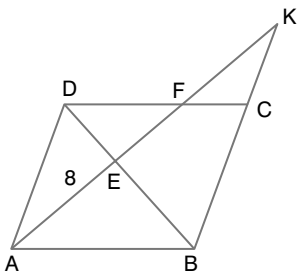
ABCD paralelkenar
[AC] ve [BD] köşegen
[EF] // [AC]
 $|AE| = |BE|$
 $|EF| = 6$ cm

Buna göre, $|AC|$ kaç cm'dir?



$$x^2 = a \cdot (a + b)$$

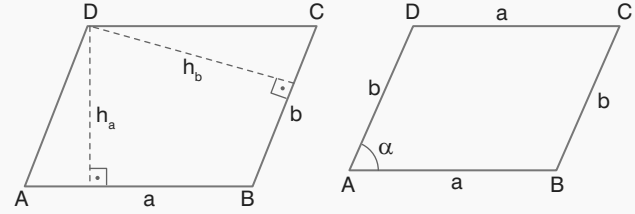
Örnek 8



ABCD paralelkenar
ABK üçgen
[BD] köşegen
 $|AE| = 8$ cm
 $|FK| = 3|FE|$

Buna göre, $|EK|$ kaç cm'dir?

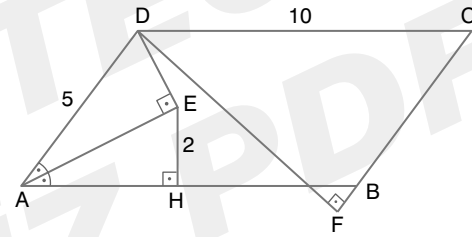
Paralelkenarda Alan



$$A(ABCD) = a \cdot h_a = b \cdot h_b$$

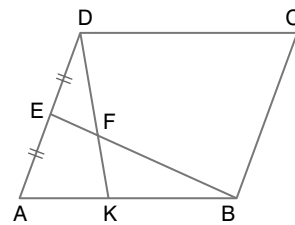
$$A(ABCD) = a \cdot b \cdot \sin \alpha$$

Örnek 9



ABCD paralelkenar, $[AE] \perp [DE]$, $[EH] \perp [AB]$, $[DF] \perp [CB]$,
 $|EH| = 2$ cm, $|DC| = 2|AD| = 10$ cm
 $[AE]$ açıortay olduğuna göre, $|DF|$ kaç cm'dir?

Örnek 10



ABCD paralelkenar
 $[DK] \cap [BE] = \{F\}$
 $|ED| = |EA|$
 $|DC| = 3|AK|$
 $\text{Alan}(ADK) = 12$ cm²

Buna göre, $\text{Alan}(BFK) - \text{Alan}(DEF)$ farkının sonucu kaç cm² dir?

