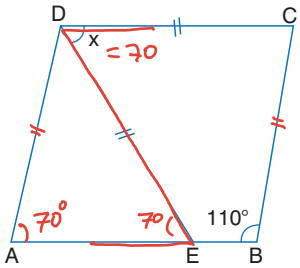
1.



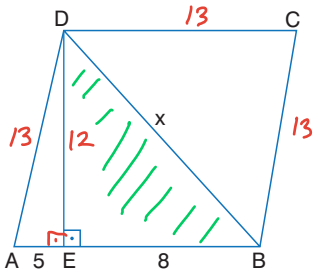
ABCD eşkenar dörtgen
$|DC|=|DE|$
$m(\hat{ABC})=110^\circ$

$\hat{A}+\hat{B}=180^\circ$
$\hat{A}+110=180$
$\hat{A}=70$

Buna göre, $m(\hat{EDC})=x$ kaçtır?

A) 40 B) 50 C) 60 D) 70 E) 80

2.



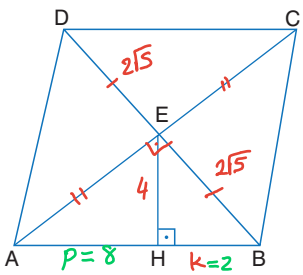
ABCD eşkenar dörtgen
$[DE]\perp[AB]$
$|AE|=5$ cm
$|EB|=8$ cm

Buna göre, $|BD|=x$ kaçtır?

A) $4\sqrt{5}$ B) 10 C) $4\sqrt{13}$ D) 17 E) $8\sqrt{5}$

$x^2=8^2+12^2$
$x=4\sqrt{13}$

3.



ABCD eşkenar dörtgen
$[AC]\cap[BD]=\{E\}$
$[EH]\perp[AB]$
$|BD|=4\sqrt{5}$ cm
$|EH|=4$ cm

Buna göre, Ç(ABCD) kaç cm'dir?

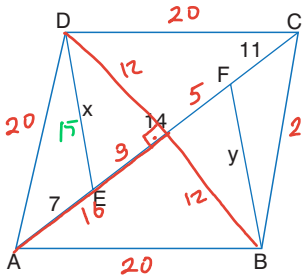
A) 40 B) 36 C) 32 D) 28 E) 24

1) $2\sqrt{5}^2=4^2+k^2$
$2=k$

2) $h^2=p\cdot k$
$4^2=p\cdot 2$
$8=p$

3) $Ç=10\times4=40$

4.



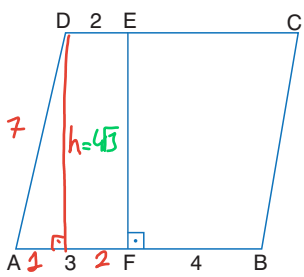
ABCD eşkenar dörtgen
[AC] köşegen
$|AE|=7$ cm
$|EF|=14$ cm
$|FC|=11$ cm

Eşkenar dörtgenin çevresi 80 cm ise x+y kaçtır?

A) 26 B) 28 C) 30 D) 32 E) 35

$x=15\ (9-12-15)$
$y=13\ (5-12-13)$
$x+y=15+13=28$

5.



ABCD eşkenar dörtgen
$[EF]\perp[AB]$
$|DE|=2$ cm
$|AF|=3$ cm
$|FB|=4$ cm

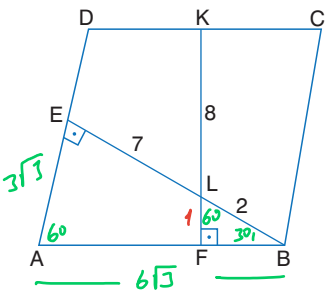
Buna göre, A(ABCD) kaç cm^2'dir?

A) $14\sqrt{6}$ B) 35 C) $21\sqrt{3}$ D) 42 E) $28\sqrt{3}$

$7^2=h^2+1^2$
$h=4\sqrt{3}$

$Alan=a\cdot h \Rightarrow 7\cdot4\sqrt{3}=28\sqrt{3}$

6.



ABCD eşkenar dörtgen
$[KF]\perp[AB]$
$[BE]\perp[AD]$
$|KL|=8$ cm
$|EL|=7$ cm
$|BL|=2$ cm

Buna göre, A(ABCD) kaç cm^2'dir?

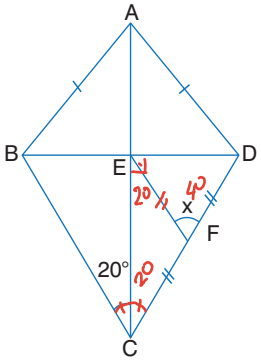
A) $40\sqrt{3}$ B) $40\sqrt{3}$ C) $45\sqrt{3}$ D) $50\sqrt{3}$ E) $54\sqrt{3}$

$|BE|=|KF|$ olacağından $|LF|=1$ olur.
$Alan=6\sqrt{3}\cdot9=54\sqrt{3}$

1-D	2-C	3-A

4-B	5-E	6-E

7.

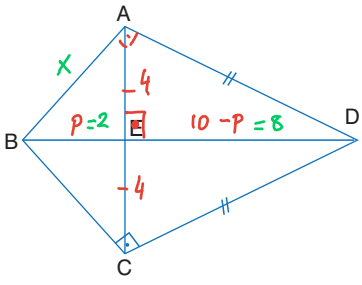


ABCD deltoid
$|AB|=|AD|$
$[AC]\cap[BD]=\{E\}$
$|DF|=|FC|$
$m(\widehat{ACB})=20^\circ$

Buna göre, $m(\widehat{EFD})=x$ kaçtır?

A) 20 B) 30 C) 40 D) 50 E) 70

8.



ABCD deltoid
$[AC]\cap[BD]=\{E\}$
$|AD|=|DC|$
$m(\widehat{BCD})=90^\circ$
$|AC|=8$ cm
$|BD|=10$ cm
$|ED|>|BE|$

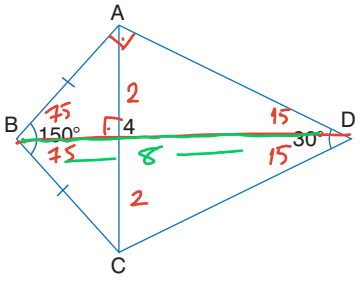
Buna göre, $|AB|$ kaç cm'dir?

A) $2\sqrt{5}$ B) $2\sqrt{6}$ C) 5 D) $2\sqrt{13}$ E) $4\sqrt{5}$

$h^2=p\cdot k$
$16=p\cdot(10-p)$
$p=2$

$x^2=2^2+4^2$
$x=2\sqrt{5}$

9.



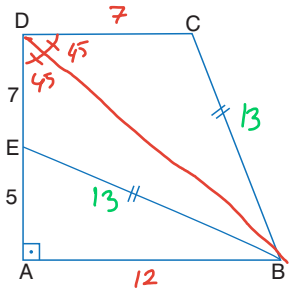
ABCD deltoid
$|AB|=|BC|$
$m(\widehat{ABC})=150^\circ$
$m(\widehat{ACD})=30^\circ$
$|AC|=4$ cm

Buna göre, A(ABCD) kaç cm^2'dir?

A) 8 B) 16 C) 20 D) 24 E) 8

$Alan=\frac{4\cdot 8}{2}=16$

10.



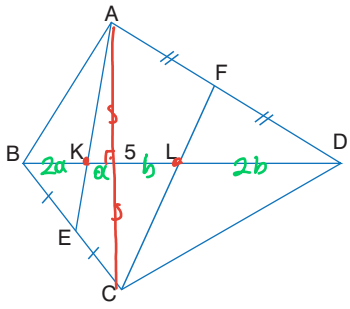
ABCD dik yamuk
BCDE deltoid
$|BC|=|BE|$
$|AE|=5$ cm
$|DE|=7$ cm

Buna göre, Ç(ABCD) kaç cm'dir?

A) 56 B) 52 C) 48 D) 44 E)40

Çevre = 12+12+13+7 = 44

11.



ABCD deltoid
$[BD]\cap[AE]=\{K\}$
$[BD]\cap[CF]=\{L\}$
$|KL|=5$ cm
$|AB|=|BC|$

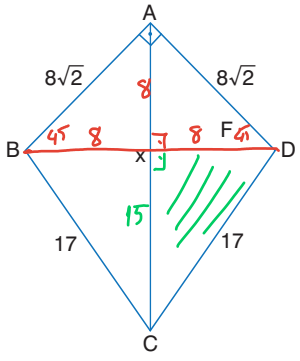
K ve L ağırlık merkezleridir.

Buna göre, $|BD|$ kaç cm'dir?

A) 10 B) 13 C) 15 D) 20 E) 25

$a+b=5$ ise $3a+3b=15$ dir.

12.



ABCD deltoid
$[AB]\perp[AD]$
$[AB]=[AD]=8\sqrt{2}$ cm
$|BC|=|DC|=7$ cm

$x=8+15$
$x=23$

Buna göre, $|AC|=x$ kaç cm'dir?

A) 15 B) 17 C) 21 D) 23 E) 25

7-C	8-A	9-B

10-D	11-C	12-D