



HIZLI SINAV ÖZEL LİSESİ  
2013-2014 EĞİTİM-ÖĞRETİM YILI.  
11. SINIFLAR  
GEOMETRİ  
1. DÖNEM 2. SINAVI

SINAV TARİHİ: 30.09.2013

TOPLAM PUAN:

İMZA:

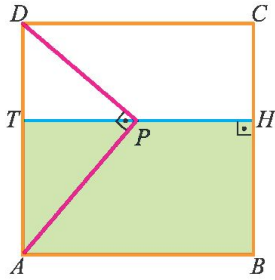
ADI, SOYADI:

SINIFI:

NO:

A  
SORULAR

1.



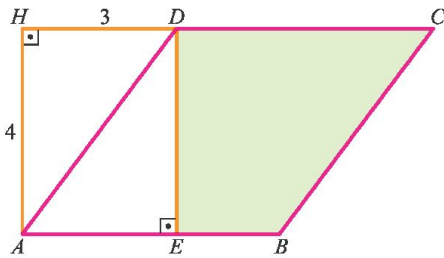
$ABCD$  kare,  $[DP] \perp [PA]$ ,  $[TH] \perp [CB]$ ,

$\mathcal{A}(ABHT) = 72 \text{ cm}^2$

Yukarıda verilenlere göre,  $|AP|$  kaç cm dir?

A) 6 B)  $6\sqrt{2}$  C) 8 D) 9 E) 12

2.



$ABCD$  eşkenar dörtgen,

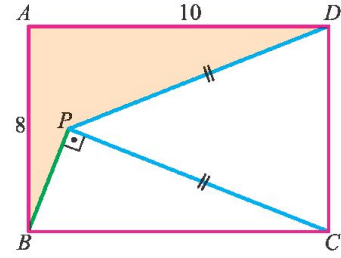
$[AH] \perp [HC]$ ,  $[DE] \perp [AB]$

$|DH| = 3 \text{ cm}$ ,  $|HA| = 4 \text{ cm}$

Yukarıda verilenlere göre,  $\mathcal{A}(EBCD)$  kaç  $\text{cm}^2$  dir?

A) 14 B) 9 C) 8 D) 6 E) 5

3.



$ABCD$  dikdörtgen,

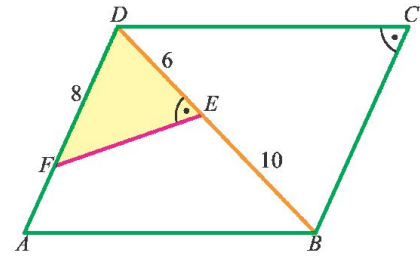
$|PD| = |PC|$ ,  $[PB] \perp [AC]$ ,

$|AD| = 10 \text{ cm}$ ,  $|AB| = 8 \text{ cm}$   $|PC| > |PB|$

Yukarıda verilenlere göre, taralı bölgenin alanı kaç  $\text{cm}^2$  dir?

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

4.



$ABCD$  paralelkenar,  $m(\widehat{DCB}) = m(\widehat{DEF})$ ,

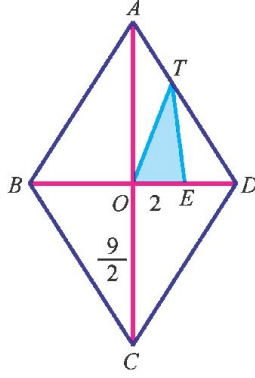
$|DE| = 6 \text{ cm}$ ,  $|DF| = 8 \text{ cm}$ ,  $|EB| = 10 \text{ cm}$ ,

$\mathcal{A}(ABCD) = 80 \text{ cm}^2$

Yukarıda verilenlere göre,  $\mathcal{A}(\widehat{FED})$  kaç  $\text{cm}^2$  dir?

A) 8 B) 10 C) 12 D) 14 E) 16

5.



$ABCD$  eşkenar dörtgen

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

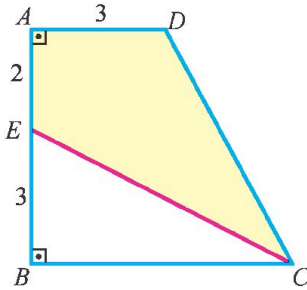
$$|OC| = \frac{9}{2} \text{ cm}$$

$$|TD| = 2|AT|$$

ise  $A(OET)$  kaç  $\text{cm}^2$  dir?

- A) 3 B) 4 C) 6 D) 8 E) 9

6.



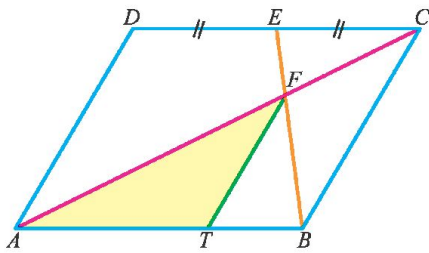
$ABCD$  dik yamuk  $|AD| = |AE| = 2 \text{ cm}$

$$|EB| = 3 \text{ cm} \quad |EC| = |CD|$$

ise  $A(CDAE)$  kaç  $\text{cm}^2$  dir?

- A) 10 B) 12 C) 15 D) 18 E) 20

7.



$ABCD$  paralelkenar,  $|DE| = |EC|$ ,

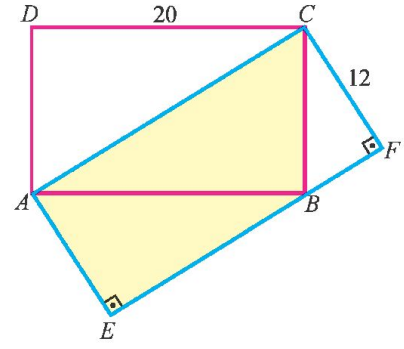
$$[FT] \parallel [BC], \quad [AC] \cap [EB] = \{F\},$$

$$A(ATF) = 16 \text{ cm}^2$$

Yukarıda verilenlere göre,  $A(ABCD)$  kaç  $\text{cm}^2$  dir?

- A) 96 B) 81 C) 72 D) 64 E) 50

8.



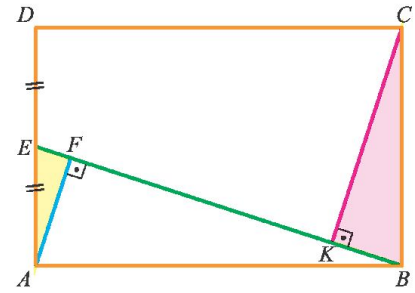
$ABCD$  ve  $AEFC$  dikdörtgen

$$|DC| = 20 \text{ cm} \quad |CF| = 12 \text{ cm}$$

ise  $A(AEBC)$  kaç  $\text{cm}^2$  dir?

- A) 216 B) 236 C) 246 D) 264 E) 300

9.



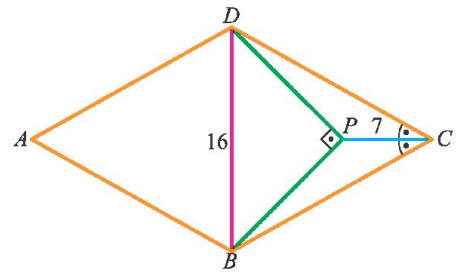
$ABCD$  dikdörtgen  $[AF] \perp [EB], [CK] \perp [EB]$

$$A(EFA) = 4 \text{ cm}^2$$

Yukarıda verilenlere göre  $A(\widehat{KBC})$  kaç  $\text{cm}^2$  dir?

- A) 6 B) 8 C) 12 D) 16 E) 20

10.



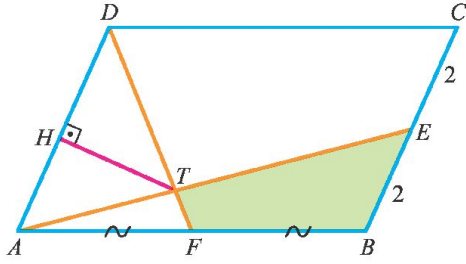
$ABCD$  eşkenar dörtgen  $[DP] \perp [PB], [CP]$  açı-

$$\text{ortay} \quad |BD| = 16 \text{ cm}, \quad |PC| = 7 \text{ cm}$$

Yukarıda verilenlere göre  $|AD|$  kaç  $\text{cm}$  dir?

- A) 20 B) 17 C) 16 D) 15 E) 14

11.



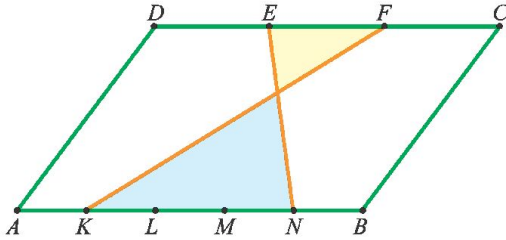
$ABCD$  paralelkenar  $|CE| = |EB| = 2$  cm,

$|AF| = |FB|$  taralı alan  $4 \text{ cm}^2$

**Yukarıda verilenlere göre  $|TH|$  kaç  $\text{cm}^2$  dir?**

- A) 1 B)  $\frac{3}{2}$  C) 2 D)  $\frac{5}{2}$  E) 3

12.



$ABCD$  paralelkenar  $[AB]$  beş eş parçaya  $[DC]$

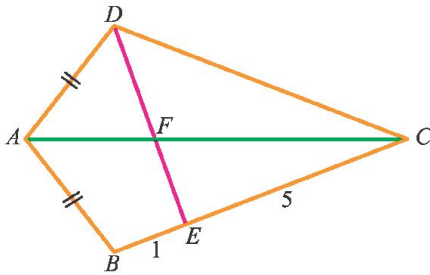
üç eş parçaya bölünmüştür.

$\mathcal{A}(ABCD) = 420 \text{ cm}^2$

**Yukarıda verilenlere göre taralı alanların toplamı kaç  $\text{cm}^2$  dir?**

- A) 210 B) 196 C) 144 D) 116 E) 106

13.



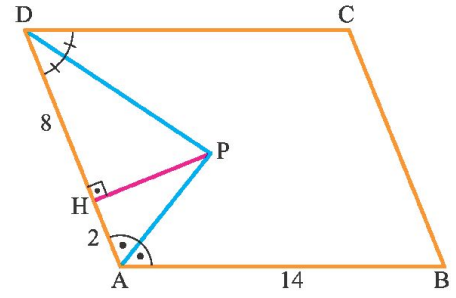
$ABCD$  deltoid  $|AD| = |AB|$

$|BE| = 1$  cm,  $|EC| = 5$  cm

**Yukarıda verilenlere göre  $\frac{|DF|}{|DE|}$  oranı kaçtır?**

- A)  $\frac{6}{5}$  B) 1 C)  $\frac{4}{5}$  D)  $\frac{6}{11}$  E)  $\frac{1}{2}$

14.



$ABCD$  paralelkenar,  $[PH] \perp [AD]$

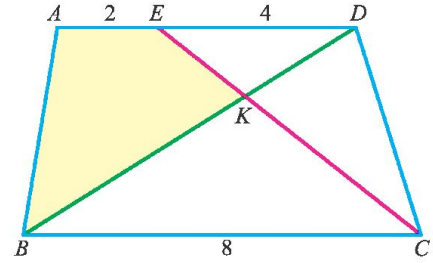
$[DP]$  ve  $[PA]$  açıortay

$|AH| = 2$  cm,  $|HD| = 8$  cm,  $|AB| = 14$  cm

**Yukarıda verilenlere göre  $\mathcal{A}(ABCD)$  kaç  $\text{cm}^2$  dir?**

- A) 102 B) 112 C) 122 D) 124 E) 136

15.



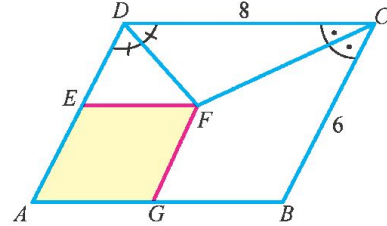
$ABCD$  yamuk,

$|BC| = 8$  cm,  $|ED| = 4$  cm,  $|AE| = 2$  cm

**Yukarıda verilenlere göre  $\frac{\mathcal{A}(ABKE)}{\mathcal{A}(ABCD)}$  oranı kaçtır?**

- A)  $\frac{1}{7}$  B)  $\frac{1}{6}$  C)  $\frac{1}{5}$  D)  $\frac{1}{4}$  E)  $\frac{1}{3}$

16.



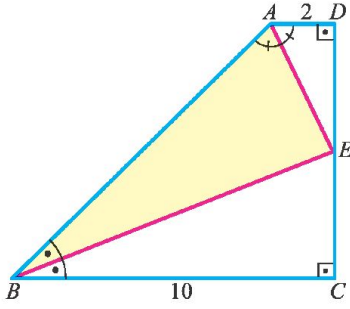
$ABCD$  ve  $AGFE$  paralelkenar

$[DF]$  ve  $[CF]$  açıortay  $|BC| = 6$  cm,  $|DC| = 8$  cm

**İse Çevre( $AGFE$ ) kaç cm dir?**

- A) 16 B) 12 C) 10 D) 9 E) 8

17.

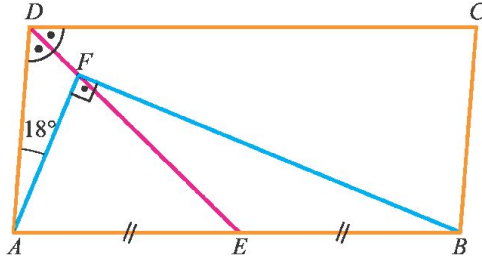


$ABCD$  dik yamuk,  $[AD] \perp [DC]$ ,  $[BE]$  ve  $[AE]$  açıortay,  $|AD| = 2$  cm,  $|BC| = 10$  cm

**Yukarıda verilenlere göre  $\mathcal{A}(\widehat{ABE})$  kaç  $\text{cm}^2$  dir?**

- A)  $16\sqrt{5}$  B)  $12\sqrt{5}$  C)  $10\sqrt{5}$   
D)  $9\sqrt{5}$  E)  $8\sqrt{5}$

18.



$ABCD$  paralelkenar  $[DE]$  açıortay

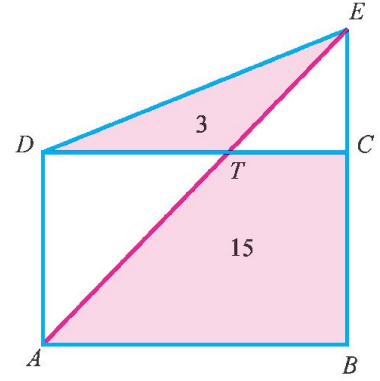
$[AF] \perp [FB]$ ,  $|AE| = |EB|$ ,  $m(\widehat{DAF}) = 18^\circ$

**Yukarıda verilenlere göre  $m(\widehat{BDC})$  kaç derecedir?**

- A) 72 B) 76 C) 80 D) 84 E) 88

A

19.



$ABCD$  dikdörtgen  $\mathcal{A}(DTE) = 3 \text{ cm}^2$

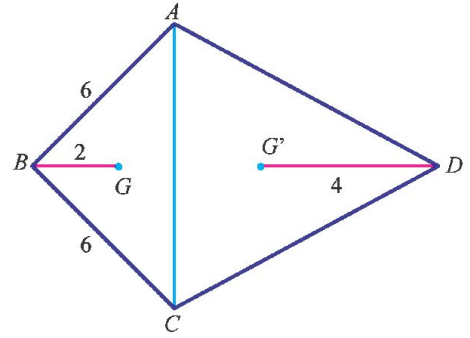
$[BE] \cap [AE] = \{E\}$

$\mathcal{A}(ABCT) = 15 \text{ cm}^2$

**ise  $\mathcal{A}(EDC)$  kaç  $\text{cm}^2$  dir?**

- A) 8 B) 7 C) 6 D) 5 E) 4

20.



$ABCD$  deltoid  $G$ ,  $ABC$  nin  $G'$   $ADC$  nin ağırlık merkezindedir.

$|AB| = |BC| = 6$  cm  $|BG| = 2$  cm

$|G'D| = 4$  cm **ise  $|CD|$  kaç cm dir?**

- A)  $2\sqrt{7}$  B) 7 C)  $3\sqrt{6}$  D)  $3\sqrt{7}$  E) 8

Başarılar

NOT BAREMİ: Her sorunun puanı 5 puandır.

SINAV SÜRESİ: 40 dakikadır.

Sınav sırasında silgi ve kalem alışverişinde bulunulamaz ve öğretmenlere soru sorulamaz.

Hasan İVGİN

Fatma ÖZTÜRK

GEOMETRİ öğretmeni

GEOMETRİ öğretmeni