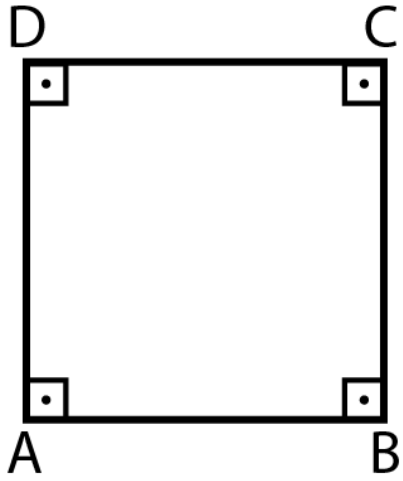


# ÖZEL DÖRTGENLER

## Kenar ve Açı Özellikleri

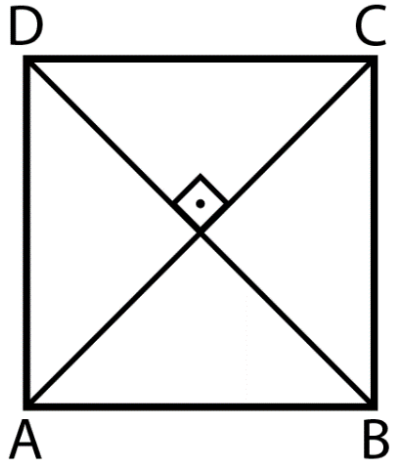
### 1) Kare



\* Tüm kenar uzunlukları birbirine eşittir.

\* Karşılıklı kenarları birbirine paraleldir.

\* Bütün açıları  $90^0$ 'dir.

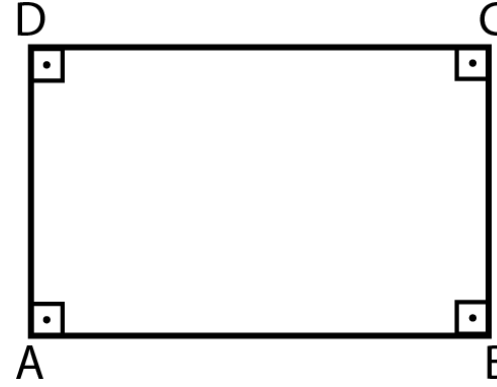


Köşegenler dik kesişir

\* Köşegenler birbirini ortalar

\* Köşegenler açıortaylardır.

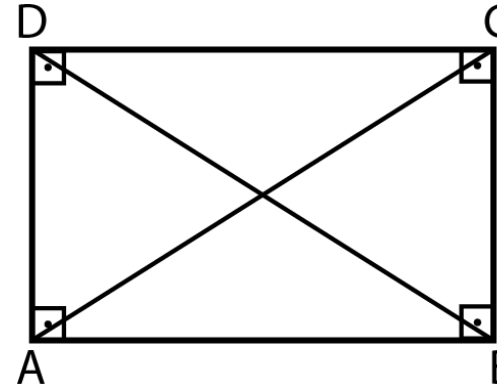
### 2) Dikdörtgen



Karşılıklı kenar uzunlukları birbirine eşittir.

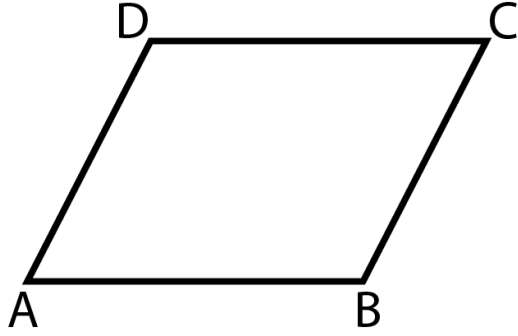
\* Karşılıklı kenarları birbirine paraleldir.

\* Bütün açıların ölçüsü  $90^0$ 'dir.

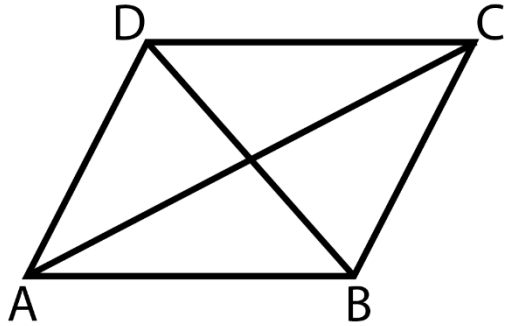


\* Köşegenleri birbirini ortalar

### 3) Paralel Kenar

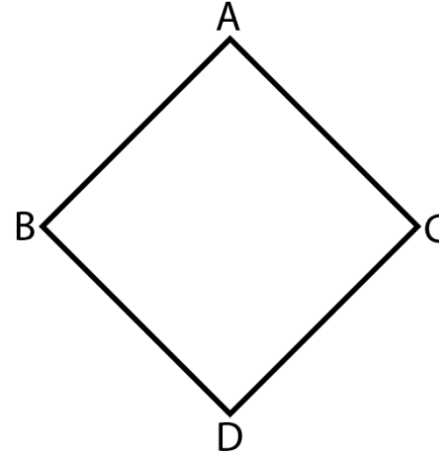


- \* Karşılıklı kenarları birbirine paraleldir.
- \* Karşılıklı kenar uzunlukları eşittir.
- \* Karşılıklı açı ölçüleri eşittir.

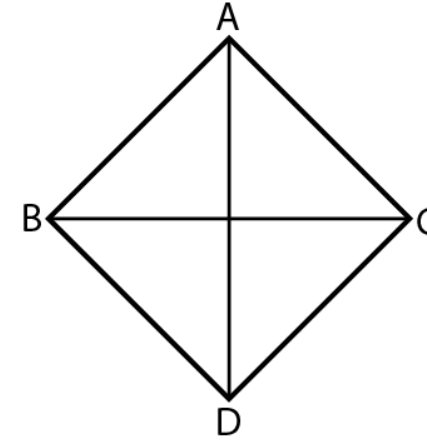


- \* Köşegenleri birbirini ortalar.

### 4)

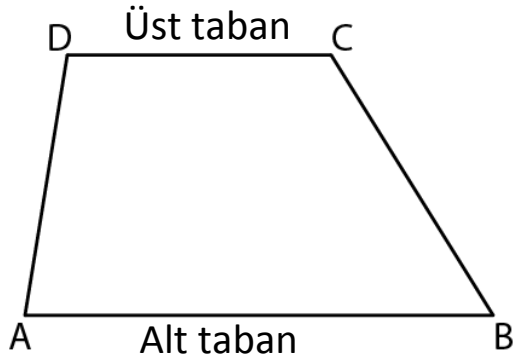


- \* Bütün kenar uzunlukları birbirine eşittir.
- \* Karşılıklı kenarları paraleldir.
- \* Karşılıklı açılarının ölçüleri birbirine eşittir.

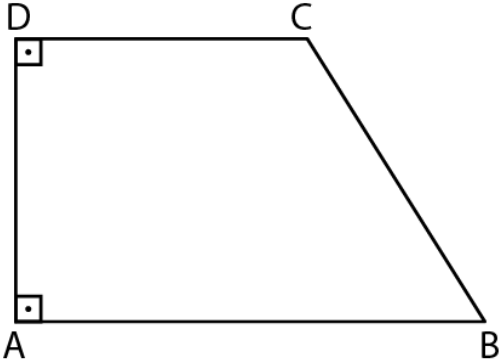


- \* Köşegenler birbirini ortalar
- \* Köşegenler dik kesişir
- \* Köşegenler açıortaydır.

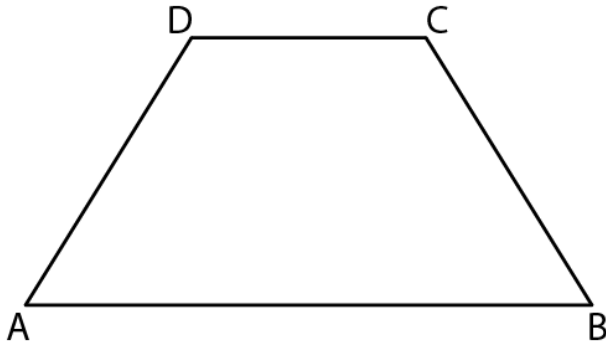
## 5) Yamuk



\* İki taban birbirine paraleldir.

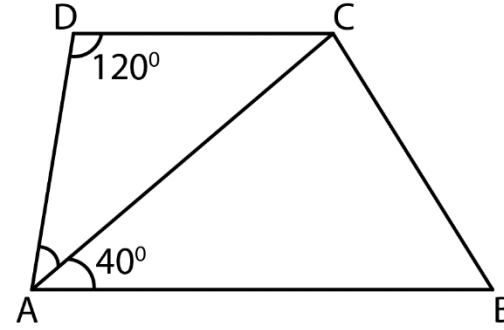


\* Dik Yamuk



$|AD| = |BC|$   
İse ikiz kenar yamuk

Ö:

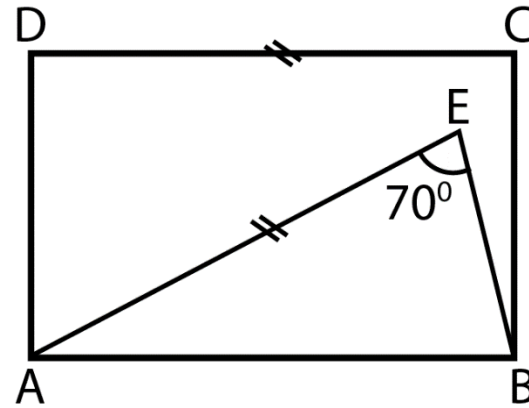


$[AB] // [CD]$

Verilere göre

$S(DAC) = ?$

Ö:



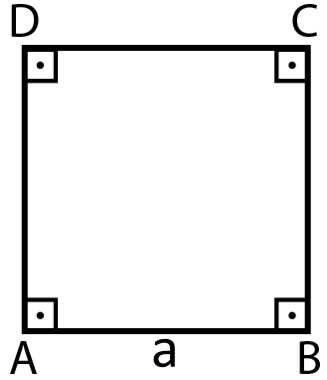
ABCD dikdörtgendir.

$|AE| = |DC|$  ve  
 $s(AEB) = 70^\circ$  ise;

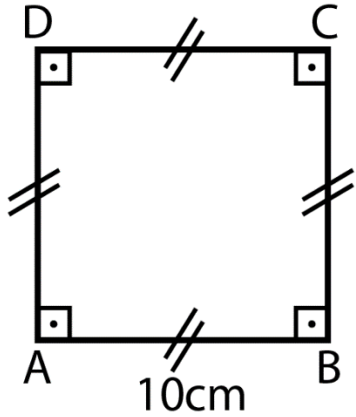
$s(EBC) = ?$

# DÖRTGENLERİN ALANLARI

## 1) Kare

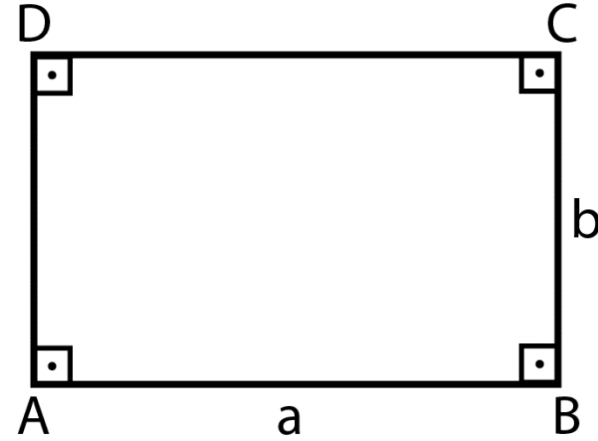


Ö:

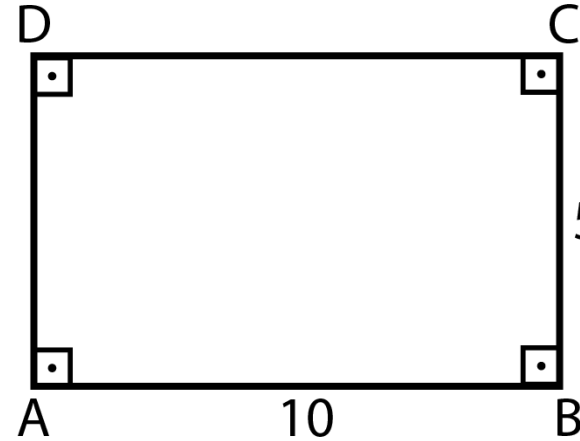


Karede  $|AB|=10\text{cm}$   
ise; Alan=?

## 2) Dikdörtgende



Ö:

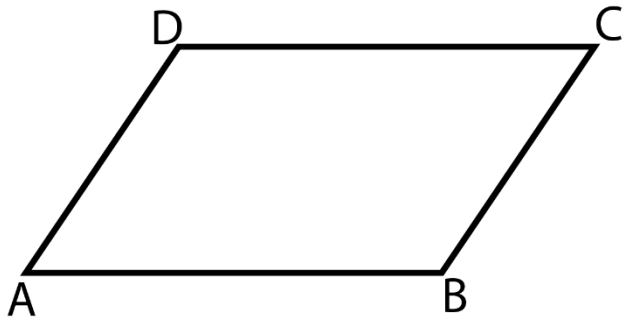


$|AB|=10\text{cm}$

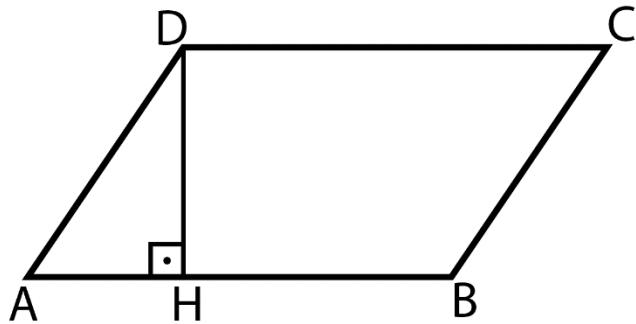
$|BC|=5\text{cm}$

Dikdörtgenin  
alanı kaç  $\text{cm}^2$   
olur?

### 3) Paralelkenar



Ö:



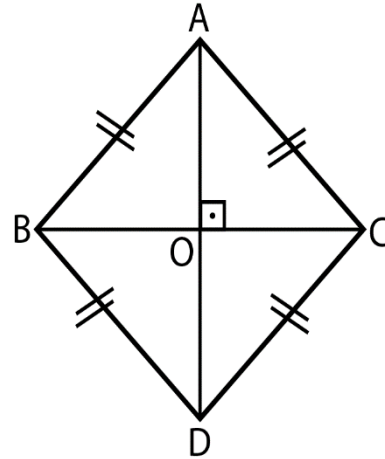
$$|AB| = 12\text{cm}$$

$$[DH] \perp [AB]$$

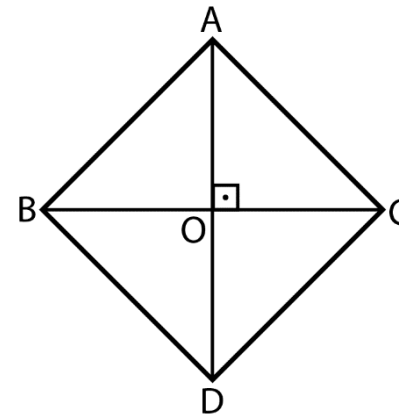
$$|DH| = 10\text{cm}$$

A=?

### 4) EşkenarDörtgen



Ö:



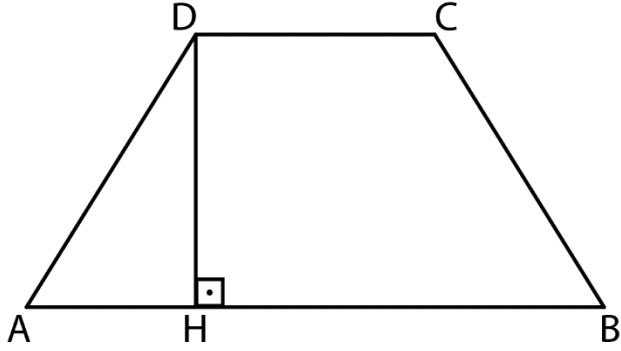
Eşkenar dörtgende

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

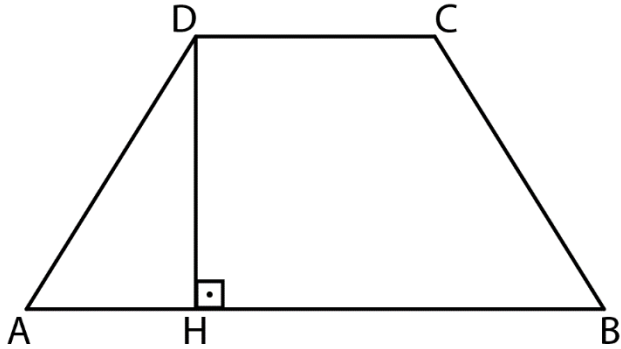
$$|BO| = 3\text{cm}$$

A = ?

## 5) Yamuğun Alanı



Ö:



$$|AB| = 15\text{cm}$$

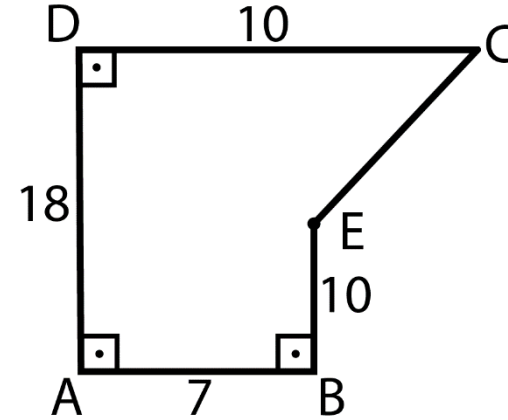
$$|DC| = 9\text{cm}$$

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

$$A = ?$$

Ö: Aynı alana sahip farklı çevre uzunluğu olan dikdörtgenler olabilir mi?

Ö:



Bir bahçenin şekli yandaki gibidir. Bu bahçenin alanını bulalım.