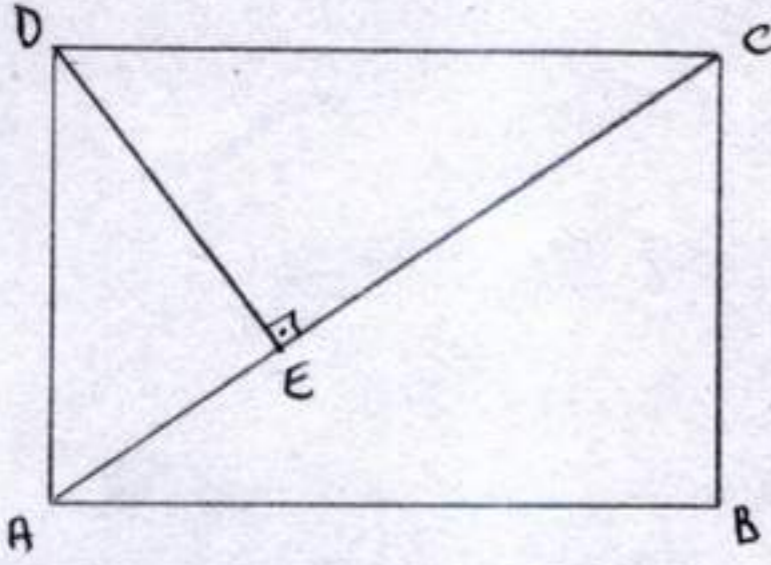


10

Ad Soyad  
No

1

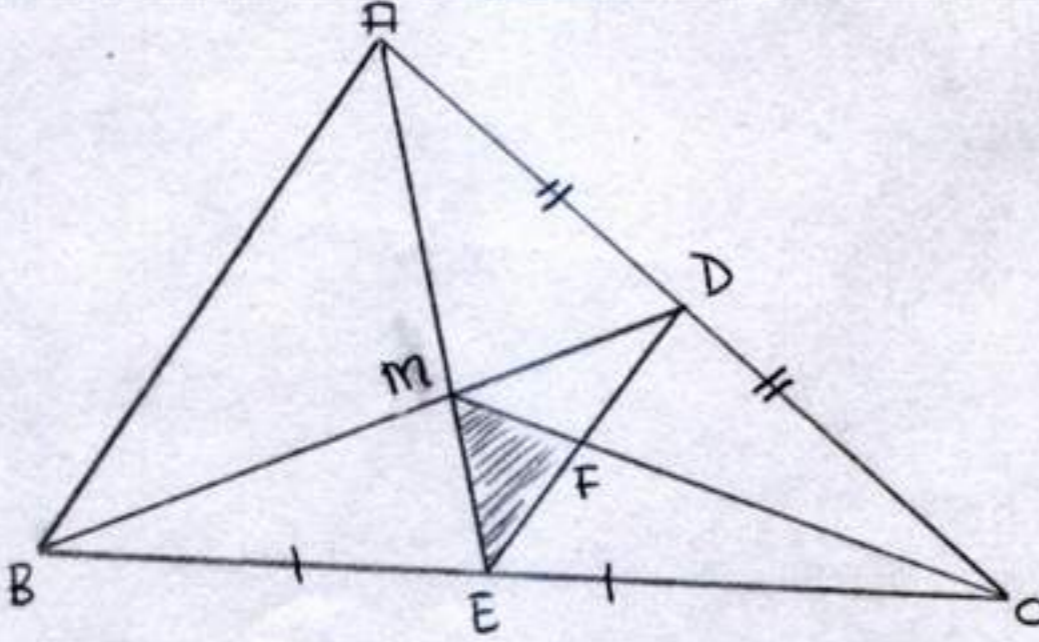
10 puan



ABCD dikdörtgen  
[AC], ABCD'nin köşegeni  
 $|AE|=4$  ve  $|EC|=16$   
ise  
Genre (ABCD) = ?

2

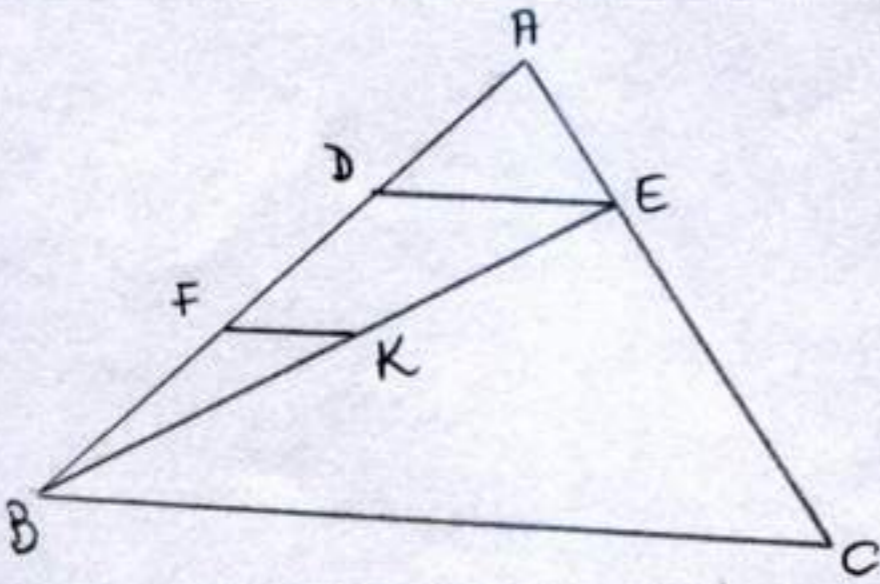
10 puan



$A(\triangle MEF) = 4b^2$  ise  $A(\triangle ABC) = ?$

3

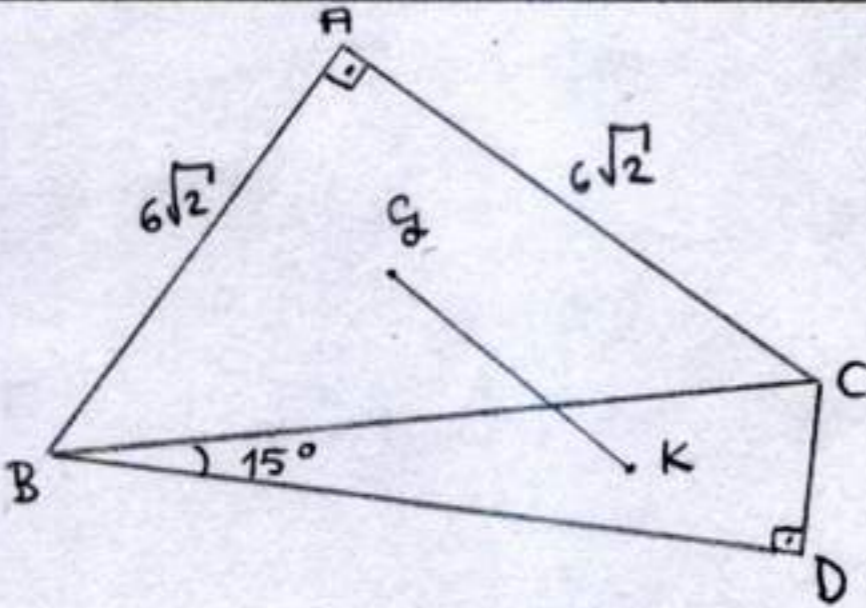
10 puan



$\triangle ABC$ 'de  $[DE] \parallel [FK] \parallel [BC]$   
 $|FD| = |FB| = 2|AD|$   
 $|FK| = 2 \rightarrow |BC| = ?$

4

10 puan

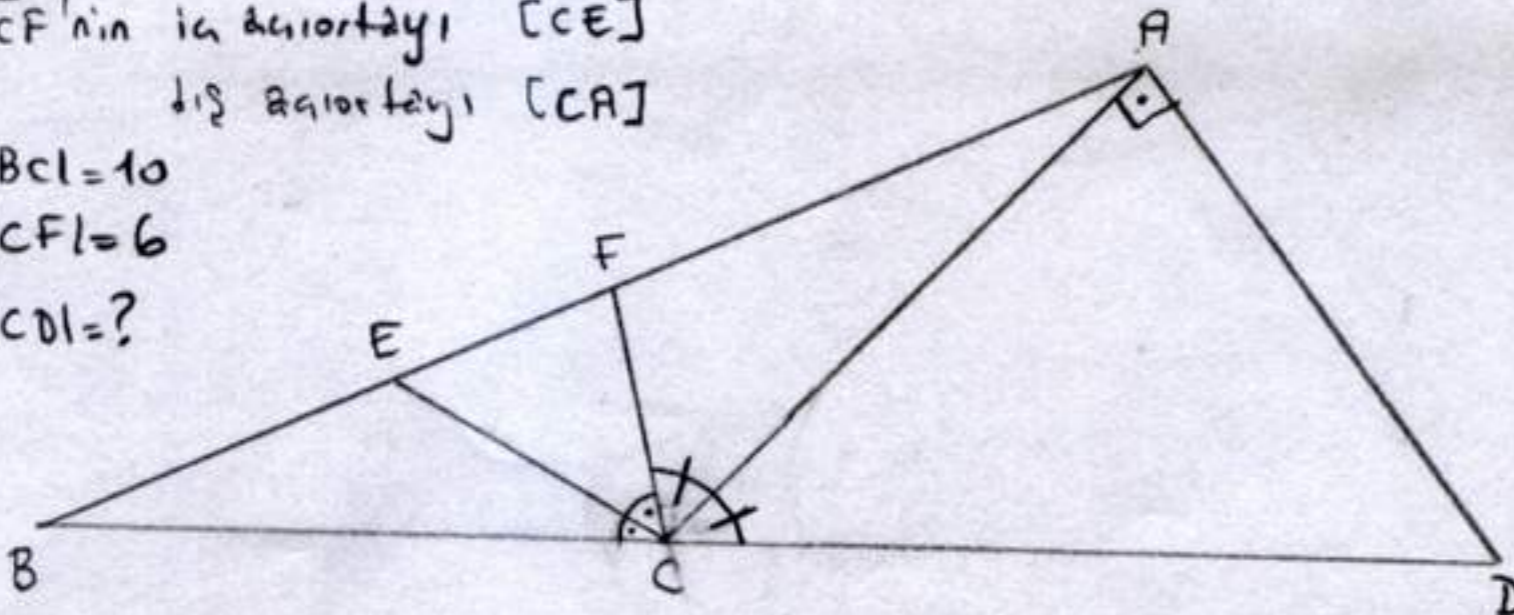


$\triangle ABC$ 'nin ağırlık merkezi G  
 $\triangle DBC$ 'nin ağırlık merkezi K  
 $|AB| = |AC| = 6\sqrt{2}$   
 $m(\widehat{CBD}) = 15^\circ \rightarrow |GK| = ?$

5

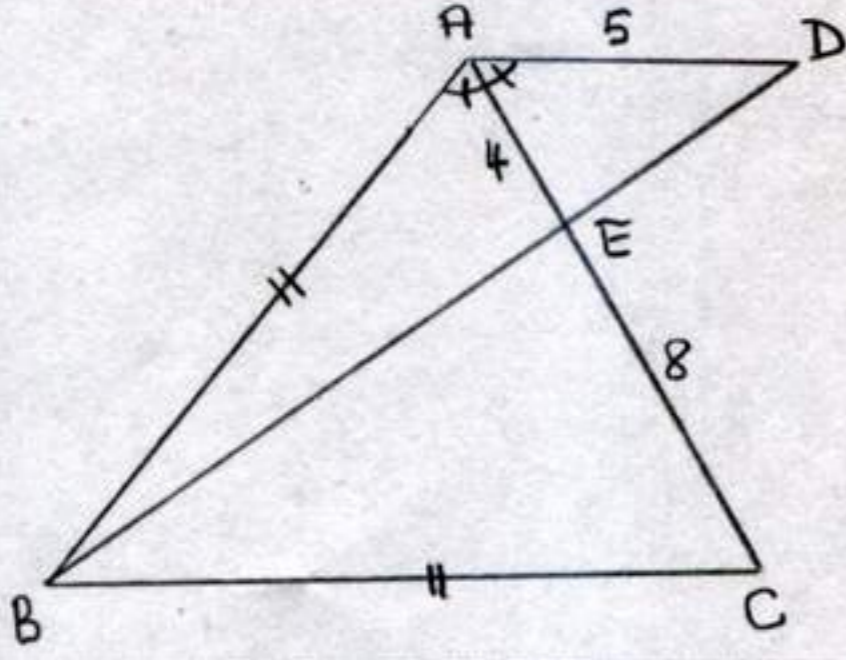
10 puan

$\triangle ABC$ 'nin iç açıortayı [CE]  
dış açıortayı [CA]  
 $|BC| = 10$   
 $|CF| = 6$   
 $|CD| = ?$



6

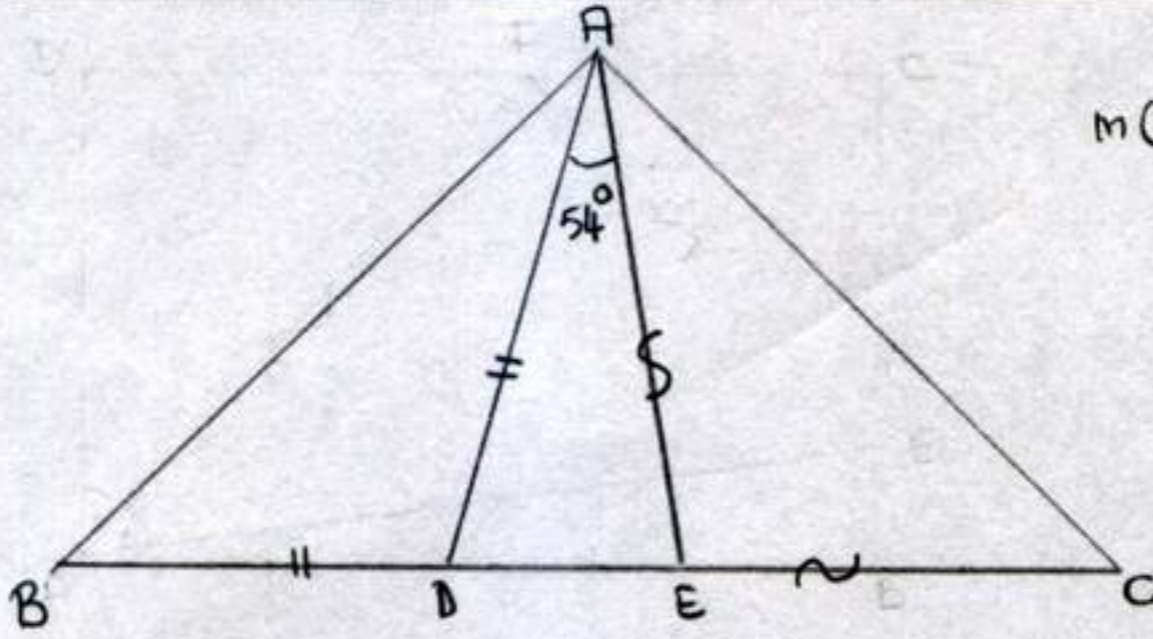
10 puan



ABC ve ABD üçgen  
 [AC] açıortay  
 $|AB| = |BC|$   
 $|AD| = 5$   
 $|AE| = 4$   
 $|EC| = 8$   
 $A(\widehat{ABC}) = ?$

7

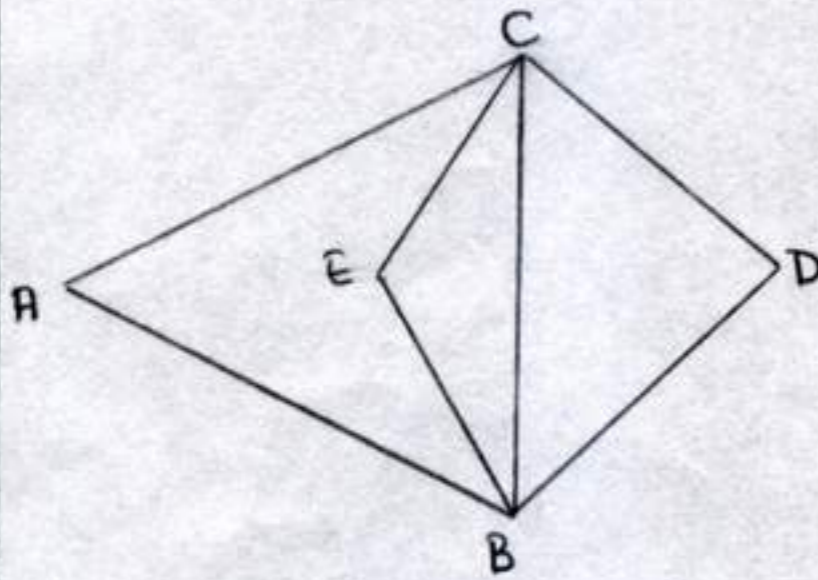
10 puan



$m(\widehat{BAC}) = ?$

8

10 puan



•  $\triangle ABC$ 'nin iç teğet çemberinin merkezi E,  
 dış teğet çemberinin merkezi D noktasıdır.  
 •  $|CD| = 2 \cdot |BE| = 10 \wedge 2 \cdot |BD| = 3 \cdot |EC|$  ise  
 $|CE| = ?$

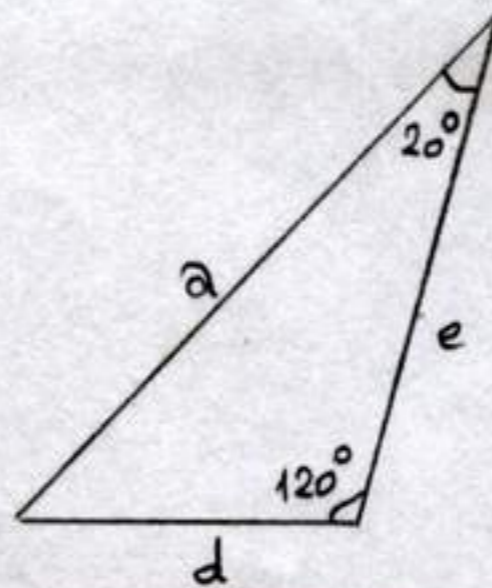
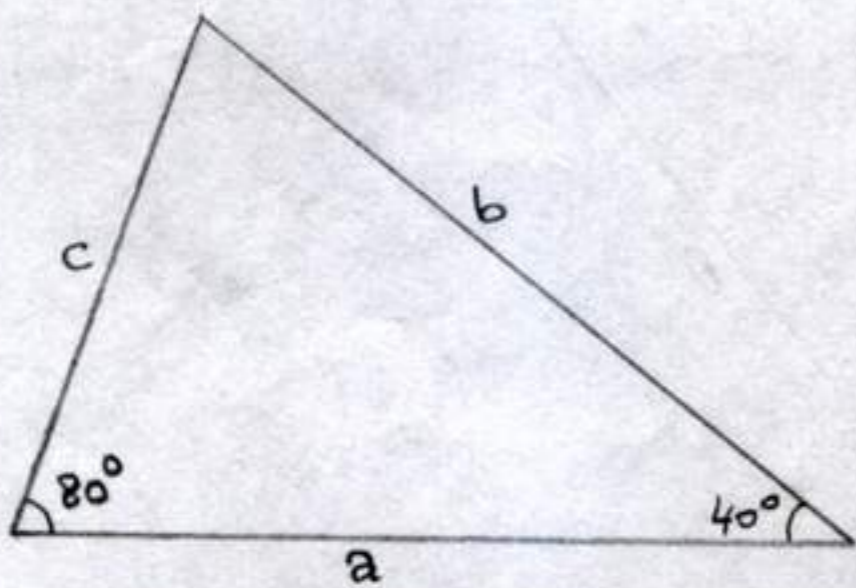
9

10 puan

$\triangle ABC$ 'de  $m(\widehat{BAC}) = 150^\circ$   
 [BC]'na ait K noktasının;  
 [AB]'na göre simetrisi P,  
 [AC]'na göre simetrisi L noktalarıdır.  
 $|AK| = 8 \rightarrow |PL| = ?$

10

10 puan



a, b, c, d ve e uzunluklarını  
 sıralayın.