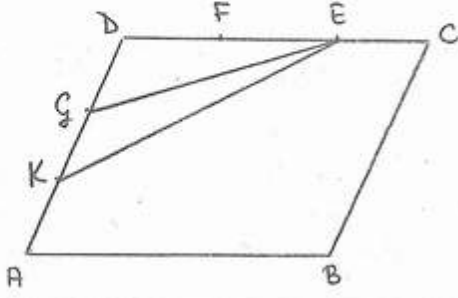


1

10 puan

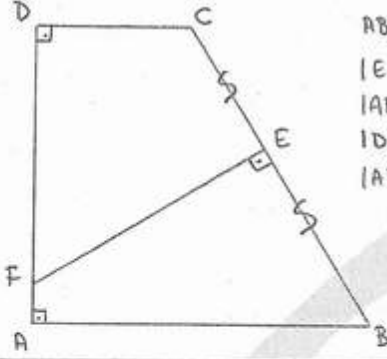


ABCD paralelkenar  
[AD] ve [BC],  
3 eşit parçaya ayrılmıştır.

$$\frac{A(\triangle AEF)}{A(ABCD)} = ?$$

2

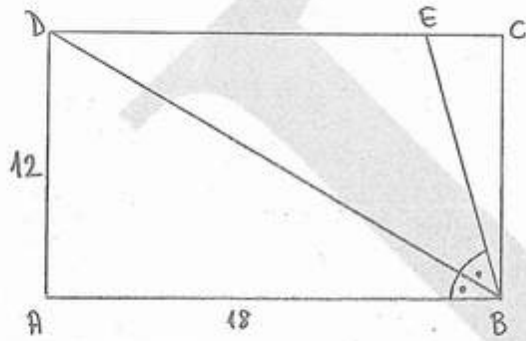
10 puan



ABCD dik yamuk  
|EC| = |EB|  
|AB| = 12  
|DC| = 5  
|AD| = 17  
|AF| = ?

3

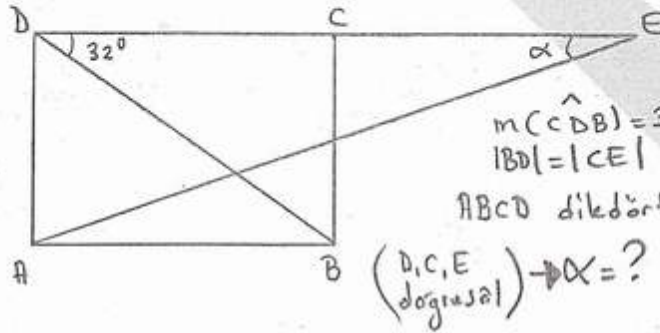
10 puan



ABCD dikdörtgen  
|EC| = ?

4

10 puan

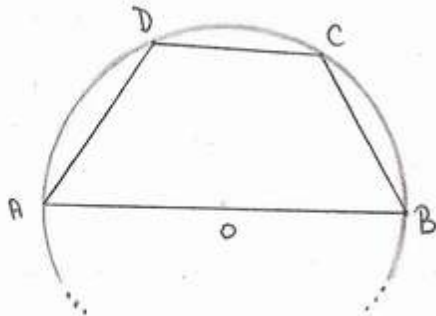


$m(\widehat{CDB}) = 32^\circ$   
|BD| = |CE|  
ABCD dikdörtgen

(D, C, E) doğrusal  $\rightarrow \alpha = ?$

5

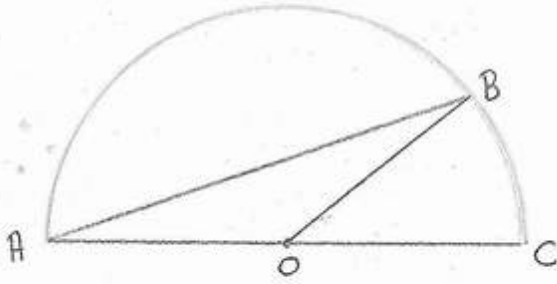
10 puan



A, O, B doğrusal  
O merkezli çemberde;  
|BC| = |DC|  
 $m(\widehat{BOC}) = 65^\circ$   
 $\downarrow$   
 $m(\widehat{DAB}) = ?$

6

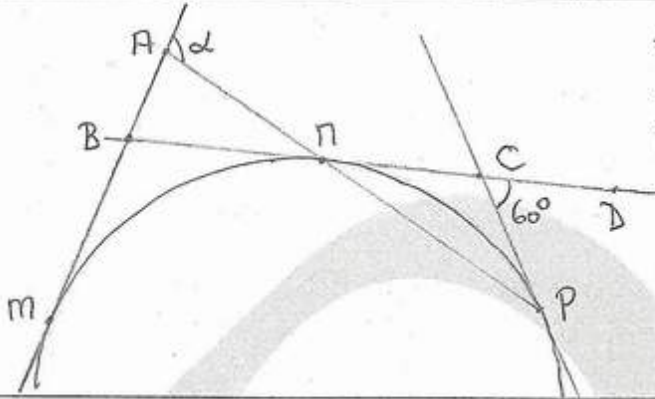
10 puan



$\widehat{ABC}$ , O merkezi çembere aittir.  
 $m(\widehat{BAO}) = 20^\circ \rightarrow m(\widehat{AB}) = ?$

7

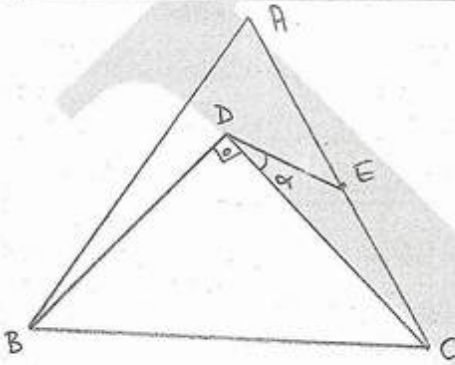
10 puan



$m(\widehat{MN}) = 70^\circ$  PC, BD, MA sırasıyla;  
 $m(\widehat{DCP}) = 60^\circ$  P, N, M noktalarında  
 $BD \cap [AP] = \{N\}$  çember yayına teğet.  
 $\alpha = ?$

8

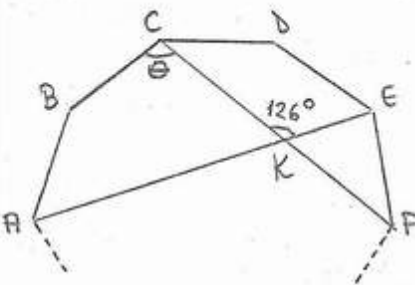
10 puan



$\triangle ABC$  eşkenar  
 $|AE| = |EC|$   
 $\downarrow$   
 $\alpha = ?$

9

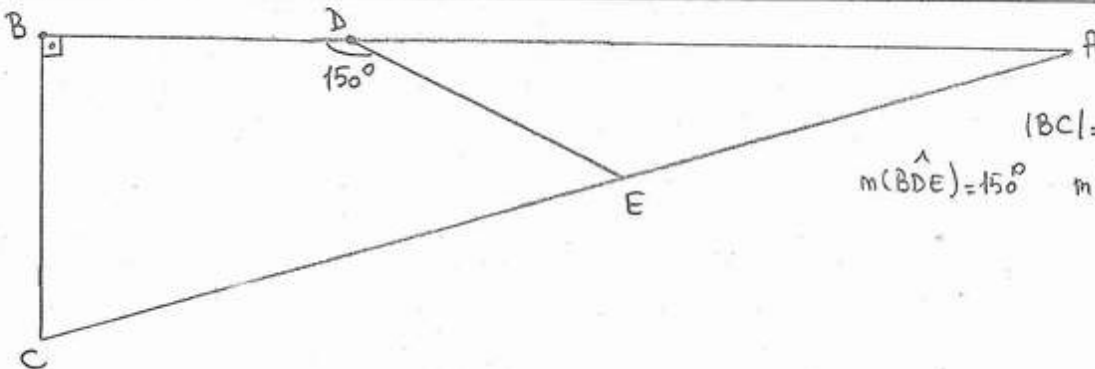
10 puan



ABCDEF... düzgün çokgen  
 $[AE] \cap [CF] = \{K\}$   
 $\theta = ?$

10

10 puan



$|BC| = |BD| = |DE|$   
 $m(\widehat{BDE}) = 150^\circ$   $m(\widehat{A}) = ?$