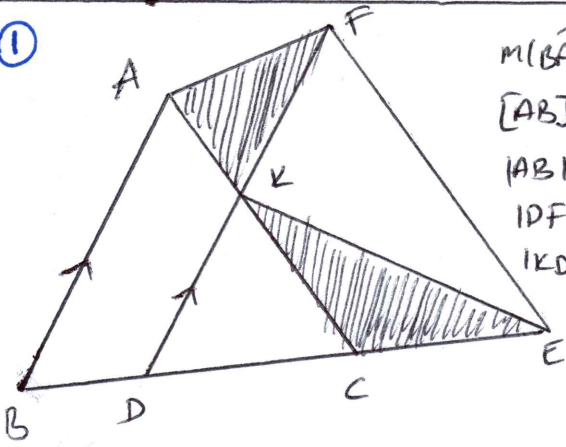


1

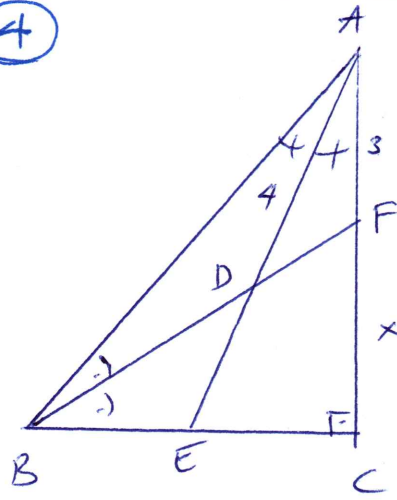


$m(\widehat{BAC}) = 30^\circ$   
 $[AB] \parallel [DF]$   
 $|AB| = |AC| = 6 \text{ br}$   
 $|DF| = |FE| = 10 \text{ br}$   
 $|KD| = 2 \text{ br}$

$A(\widehat{KAF}) + A(\widehat{KCE}) = ?$

- A) 6 B) 8 C) 10 D) 12 E) 14

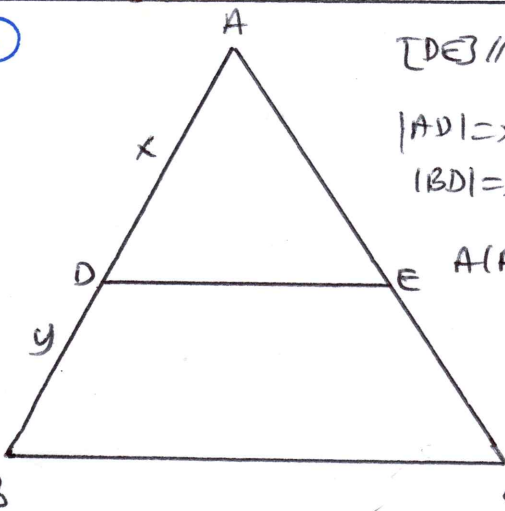
4



D, içi tepelet G.M.  
 $|AF| = 3 \text{ br}$   
 $|AD| = 4 \text{ br}$   
 $|FC| = x = ?$

- A)  $\frac{1}{3}$  B)  $\frac{2}{3}$  C) 1 D)  $\frac{5}{3}$  E)  $\frac{7}{3}$

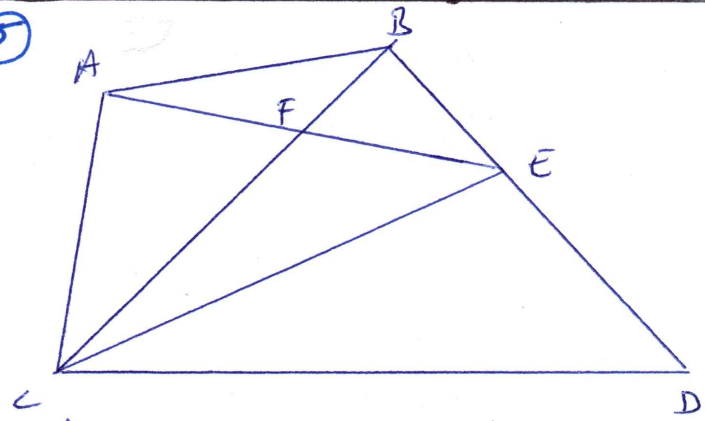
2



$[DE] \parallel [BC]$   
 $|AD| = x$   
 $|BD| = y$   
 $A(\widehat{ADE}) = A(\widehat{CED})$   
 $\frac{x}{y} = ?$

- A)  $\sqrt{2}$  B)  $\sqrt{2} - 1$  C)  $\sqrt{2} + 1$  D)  $2\sqrt{2}$  E)  $\frac{\sqrt{2}}{2}$

5

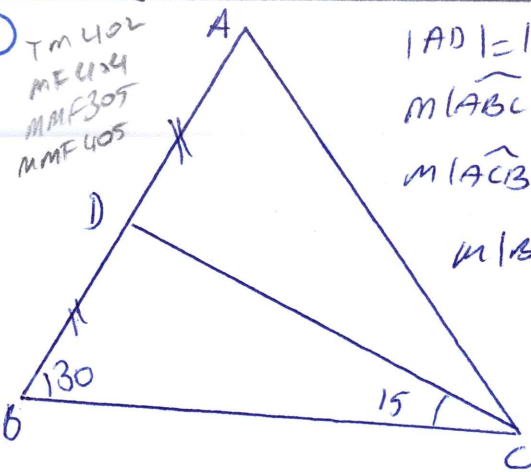


$\triangle ACE$  ile  $\triangle CBD$  üygenli Etker,

$\frac{|AB|}{|ED|} = ?$

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

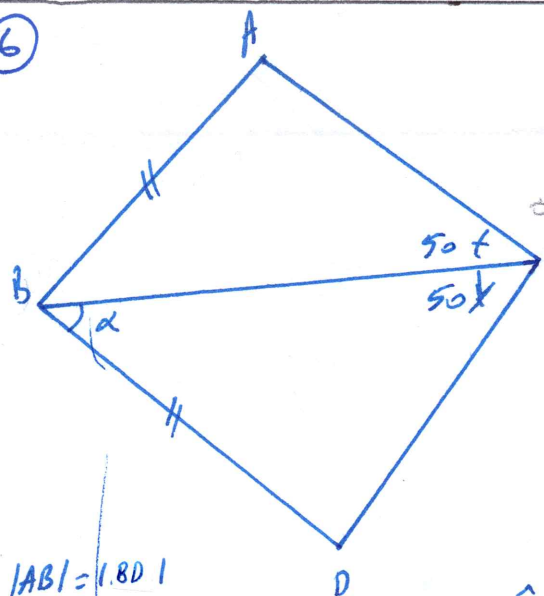
3



$|AD| = |DB|$   
 $m(\widehat{ABC}) = 30^\circ$   
 $m(\widehat{ACB}) = 15^\circ$   
 $m(\widehat{BAC}) = ?$

- A) 90 B) 100 C) 105 D) 120 E) 125

6

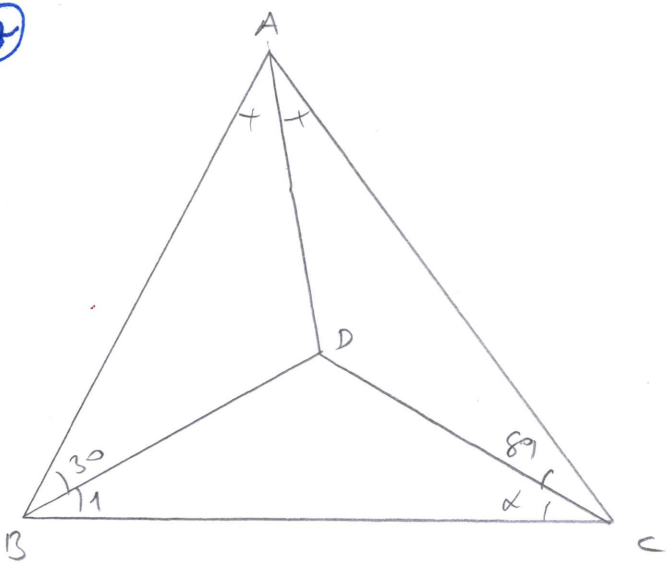


TM 402  
 ME 124  
 mmf 305  
 mmf 405  
 Dönem TM 302

$|AB| = |BD|$   
 $m(\widehat{BAC}) = 70^\circ$ ,  $|AC| > |CD|$ ,  $m(\widehat{DCB}) = x = ?$

- A) 10 B) 20 C) 30 D) 40 E) 50

7

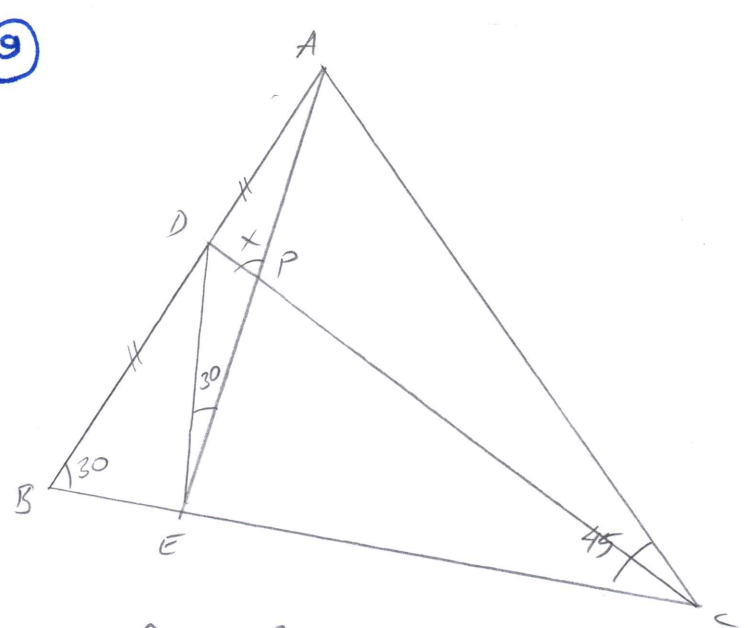


$m(\widehat{ABD}) = 30^\circ$   
 $m(\widehat{DBC}) = \alpha$   
 $m(\widehat{ACB}) = 89^\circ$   
 $m(\widehat{DCB}) = \alpha = ?$

- A) 1 B) 2 C) 15 D) 20 E) 21

TM 402, MF 404, MMF 405, NMF 305

9



$m(\widehat{ABC}) = 30^\circ$   
 $m(\widehat{DEA}) = 30^\circ$   
 $m(\widehat{ACB}) = 45^\circ$   
 $m(\widehat{APD}) = ?$

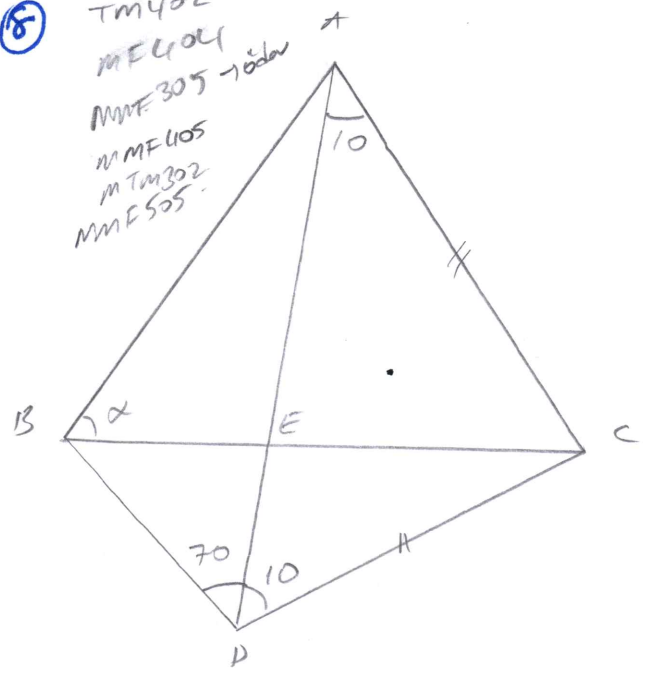
- A) 90 B) 100 C) 110 D) 120 E) 130

Telrar yolo, cözdüm gruba

TM-402, MF 404, MMF 305, NMF 405

8

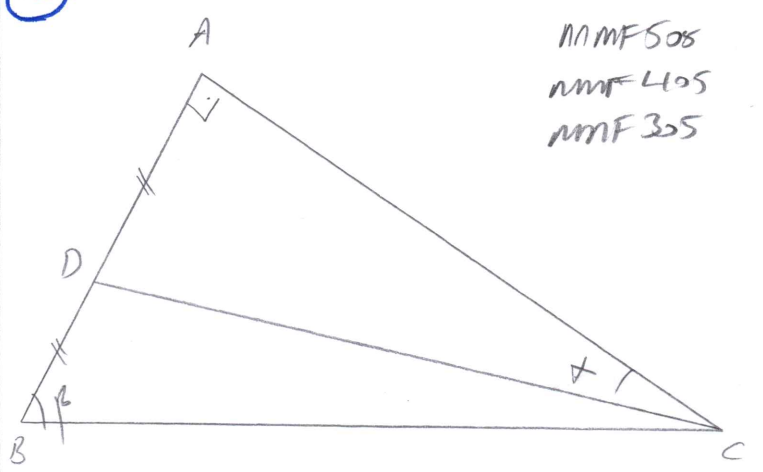
TM 402  
 MF 404  
 MMF 305 - 70'dan  
 MMF 405  
 m TM 302  
 MMF 505



$|AB| = |AD|$   
 $|AC| = |CD|$   
 $m(\widehat{DAC}) = 10^\circ, m(\widehat{ADC}) = 70^\circ$   
 $m(\widehat{BDA}) = 70^\circ$

$m(\widehat{ABC}) = \alpha = ?$   
 A) 10 B) 20 C) 30 D) 40 E) 50

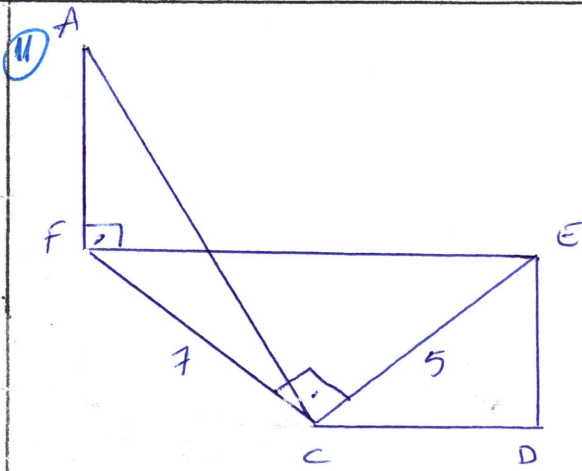
10



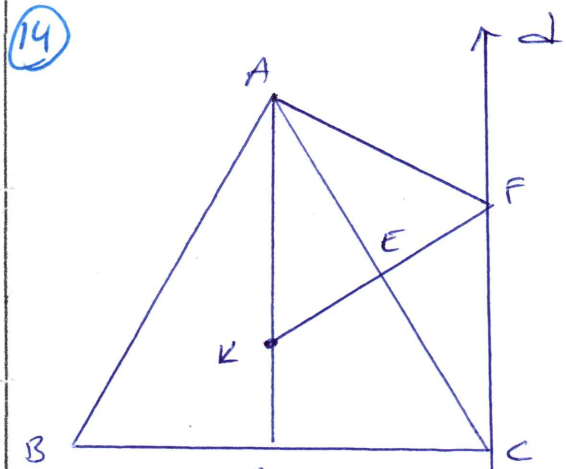
$|AD| = |BD|$   
 $|CD| = 3|BD|$   
 $2\beta - \alpha = ?$

- A) 30 B) 60 C) 90 D) 100 E) 110

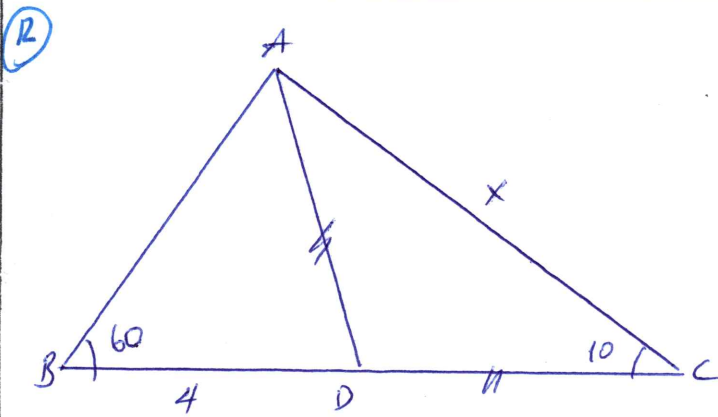
MF 404  
 MMF 505  
 MMF 405  
 MMF 305



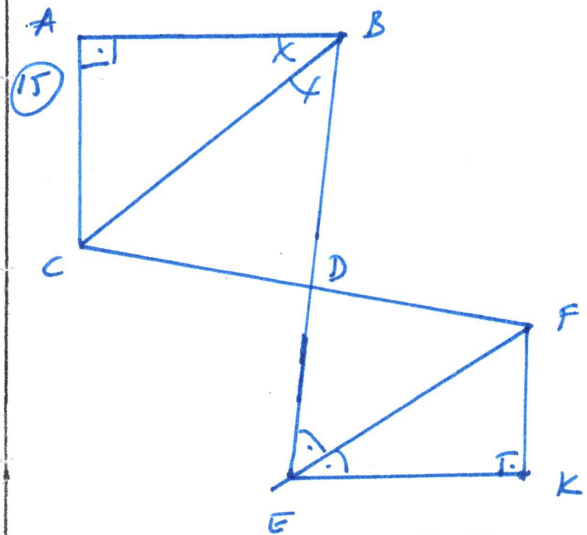
$[AF] = [FE]$  ,  $[AF] \perp [FE]$ ,  $[FC] \perp [CE]$   
 $|FC| = 7 \text{ br}$  ,  $|CE| = 5 \text{ br}$  ,  $|AC| = ?$   
 A) 10 B) 11 C)  $\sqrt{151}$  D)  $\sqrt{193}$  E) 15



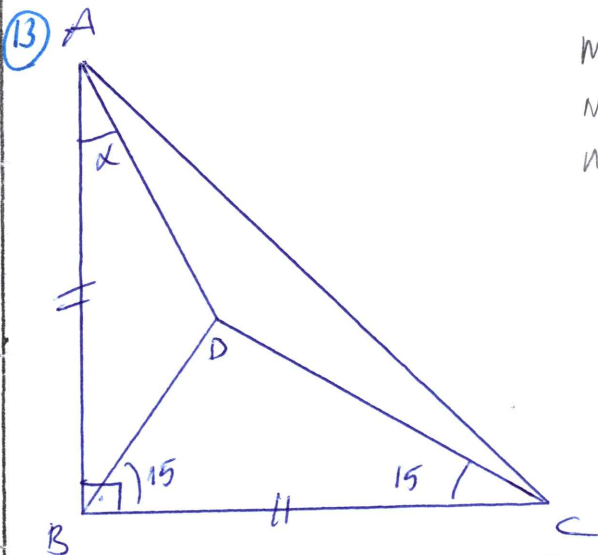
K noktası  $AD$  üçgenin A merkezli.  
 $|AB| = |AC|$  ,  $AK \perp BE$  : Eksenler üçgen ,  $[AD] \parallel d$   
 $|AB| + |AD| = 9 + 6\sqrt{3}$  ,  $|AE| = ?$   
 A) 5 B)  $3\sqrt{3}$  C) 4 D) 7 E) 9



$[AD] \perp [BC]$  ,  $m(\widehat{ABC}) = 60^\circ$  ,  $m(\widehat{ACD}) = 10^\circ$   
 $|BD| = 4 \text{ br}$  ,  $x = |AC| = ?$   
 A) 4 B) 8 C)  $2\sqrt{3}$  D)  $4\sqrt{3}$  E) 10

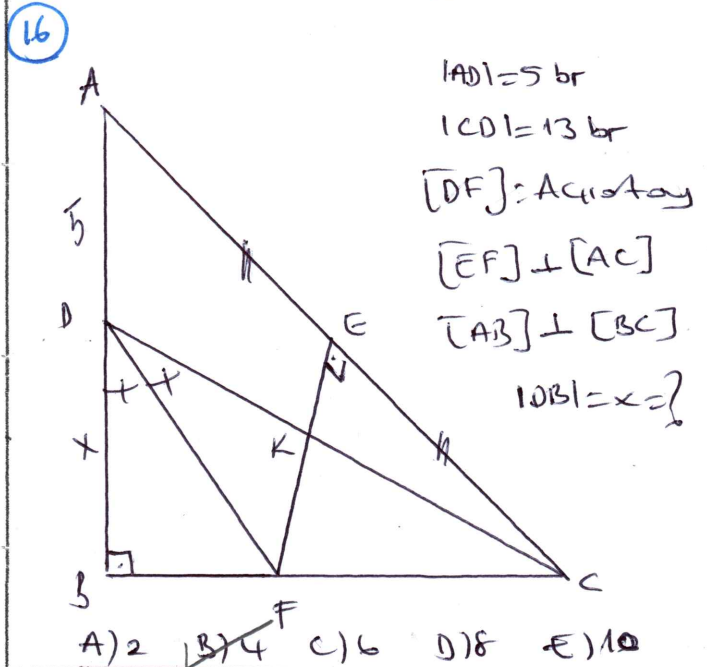


$3|AC| = 4|FK|$  ,  $[BC] \perp [EF]$  : Açıortay  
 $m(\widehat{EOP}) < 90^\circ$  ,  $|CD| \parallel |DF| = ?$   
 A)  $3/4$  B)  $1/2$  C)  $3/5$  D)  $4/3$  E) 1



$|AB| = |BC|$  ,  $m(\widehat{DBC}) = m(\widehat{DCB}) = 15^\circ$   
 $[AB] \perp [BC]$  ,  $m(\widehat{BAD}) = x = ?$   
 A) 15 B) 30 C) 45 D) 49 E) 55

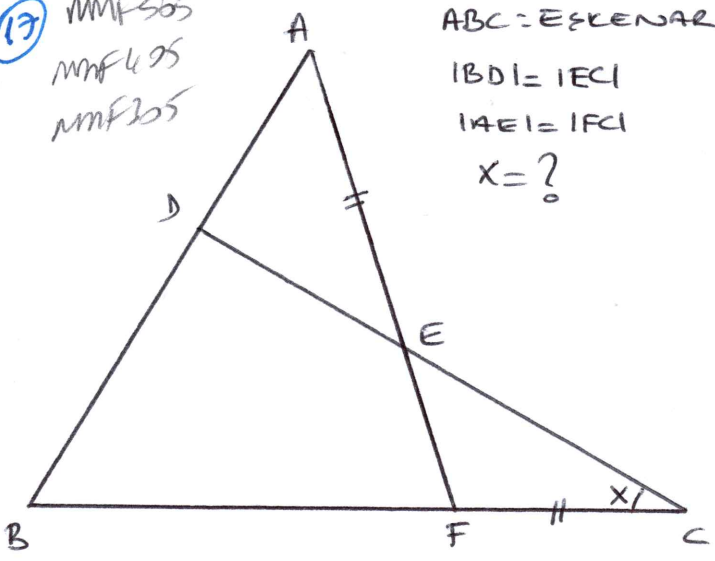
MMF505  
 MMF405  
 MMF335



$|AD| = 5 \text{ br}$   
 $|DC| = 13 \text{ br}$   
 $[DE] = AC$  : Açıortay  
 $[EF] \perp [AC]$   
 $[AB] \perp [BC]$   
 $|DB| = x = ?$

A) 2 B) 4 C) 6 D) 8 E) 10

17) MMF505  
MMF495  
MMF305

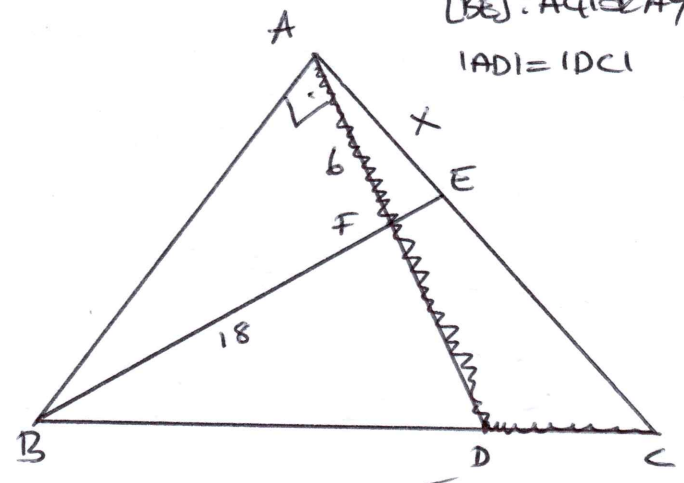


ABC = EŞKENAR  
|BD| = |CE|  
|AE| = |CF|  
x = ?

- A) 20 B) 30 C) 40 D) 60 E) 65

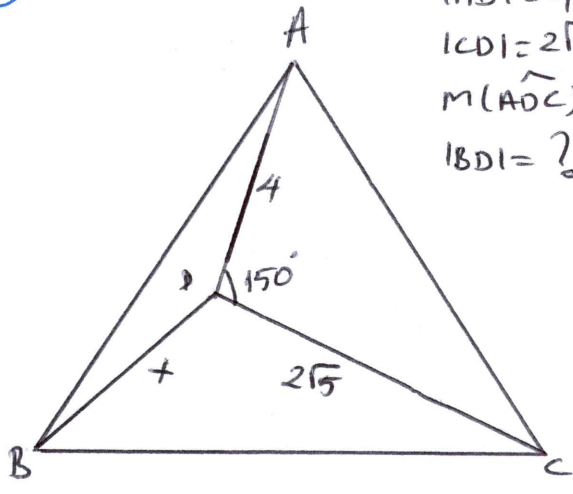
20

|AF| = 6 br  
|BF| = 18 br  
[BE]: AĞIORTAY  
|AD| = |DC|



- A) 2 B) 4 C) 6 D) 8 E) 10

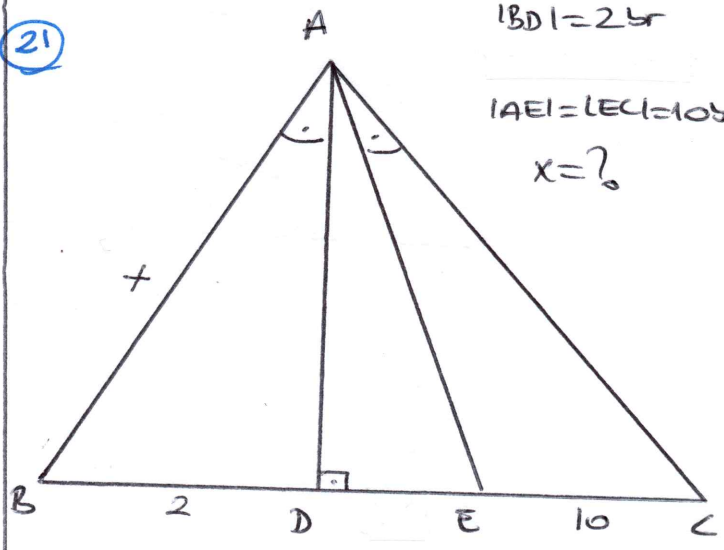
18) MF503



ABC = EŞKENAR  
|AD| = 4 br  
|CD| = 2√5 br  
m(∠APC) = 150°  
|BD| = ?

- A) 1 B) 2 C) 4 D) 5 E) 6

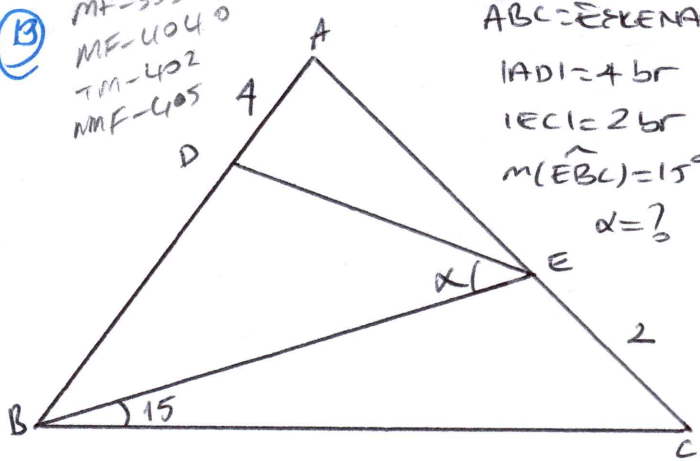
21



|BD| = 2 br  
|AE| = |CE| = 10 br  
x = ?

- A) 1 B) √5 C) √10 D) 2√10 E) 5

19) MF-503  
MF-404  
TM-402  
MMF-405

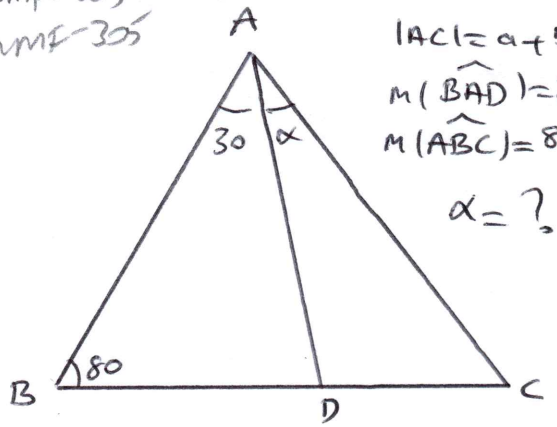


ABC = EŞKENAR  
|AD| = 4 br  
|EC| = 2√5 br  
m(∠EBC) = 15°  
x = ?

- A) 15 B) 30 C) 45 D) 60 E) 75

22

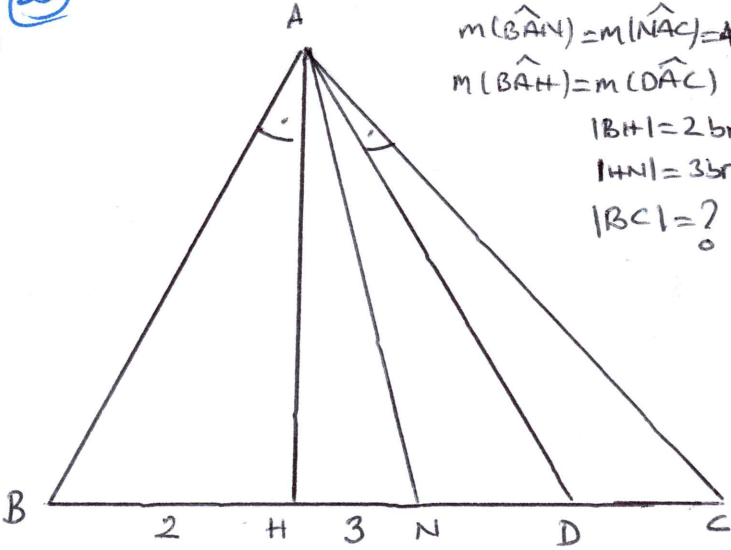
TM-402  
MMF-505  
MMF-605  
MMF-305



|AB| = a  
|BD| = b  
|AC| = a + b  
m(∠BAD) = 30°  
m(∠ABC) = 80°  
x = ?

- A) 10 B) 20 C) 30 D) 35 E) 45

23

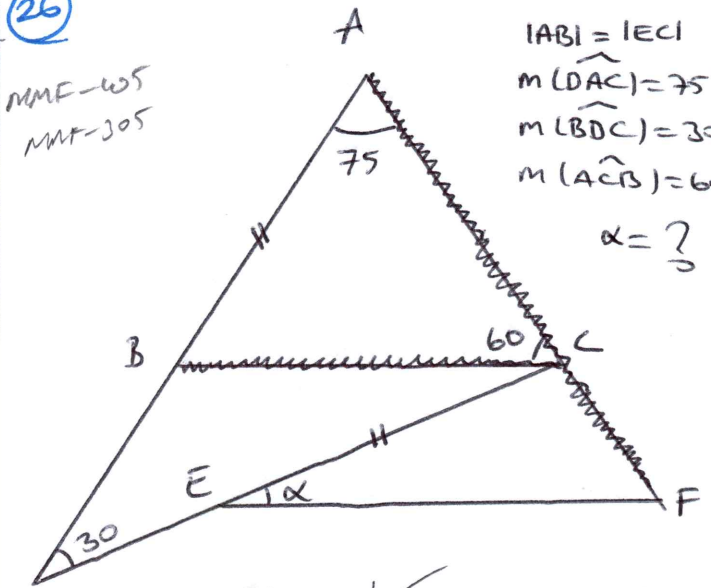


[AN] : AGLORZAY  
 $m(\widehat{BAN}) = m(\widehat{NAC}) = 45^\circ$   
 $m(\widehat{BAH}) = m(\widehat{DAC})$   
 $|BH| = 2br$   
 $|HN| = 3br$   
 $|BC| = ?$

- A) 15 B) 20 C) 25 D) 30 E) 35

26

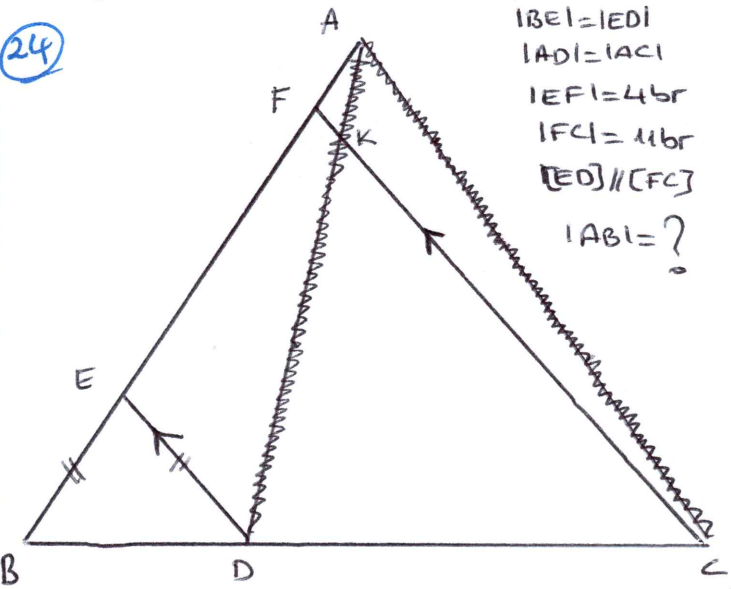
$m\angle E = 30^\circ$   
 $m\angle F = 30^\circ$



$|AF| = |BC|$   
 $|AB| = |EC|$   
 $m(\widehat{DAC}) = 75^\circ$   
 $m(\widehat{BDC}) = 30^\circ$   
 $m(\widehat{ACB}) = 60^\circ$   
 $\alpha = ?$

- A) 5 B) 10 C) 15 D) 20 E) 25

24

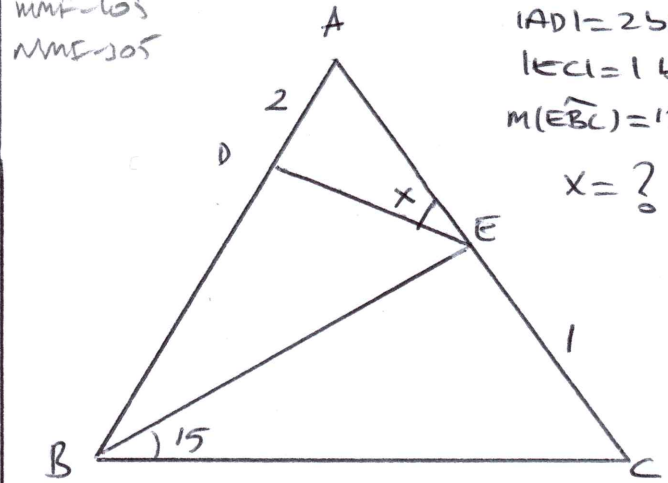


$|BE| = |ED|$   
 $|AD| = |AC|$   
 $|EF| = 4br$   
 $|FC| = 11br$   
 $[EO] \parallel [FC]$   
 $|AB| = ?$

- A) 10 B) 12 C) 15 D) 18 E) 21

27

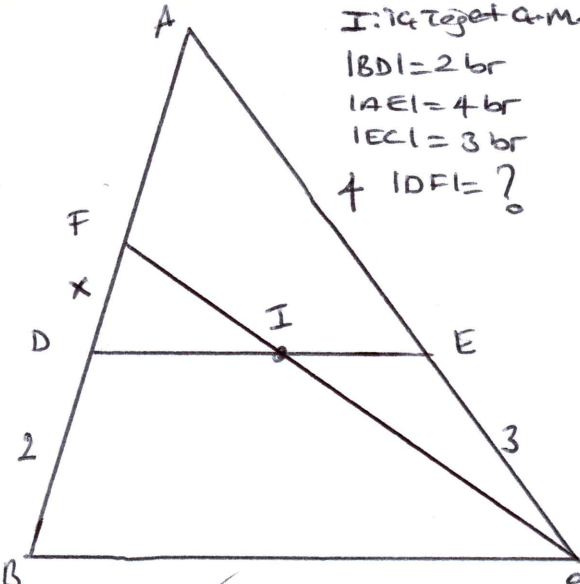
$m\angle A = 60^\circ$   
 $m\angle C = 30^\circ$



$ABC = EFK$   
 $|AD| = 2br$   
 $|EC| = 1br$   
 $m(\widehat{EBC}) = 15^\circ$   
 $x = ?$

- A) 15 B) 30 C) 45 D) 60 E) 75

25

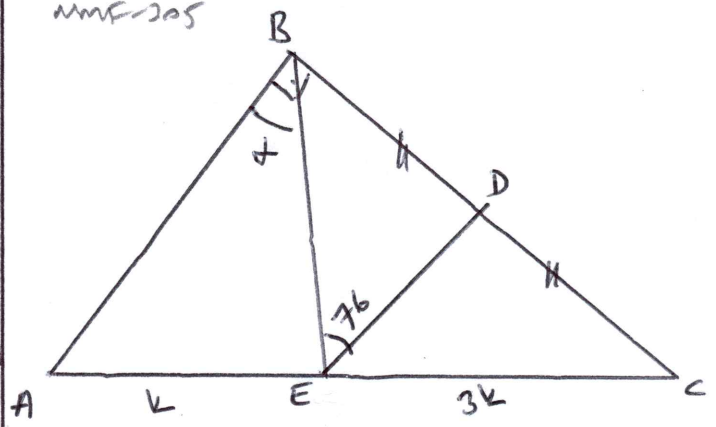


I: 16 to get a-m  
 $|BD| = 2br$   
 $|AE| = 4br$   
 $|EC| = 3br$   
 $|DFI| = ?$

- A)  $\frac{8}{5}$  B)  $\frac{8}{16}$  C)  $\frac{16}{27}$  D) 1 E) 2

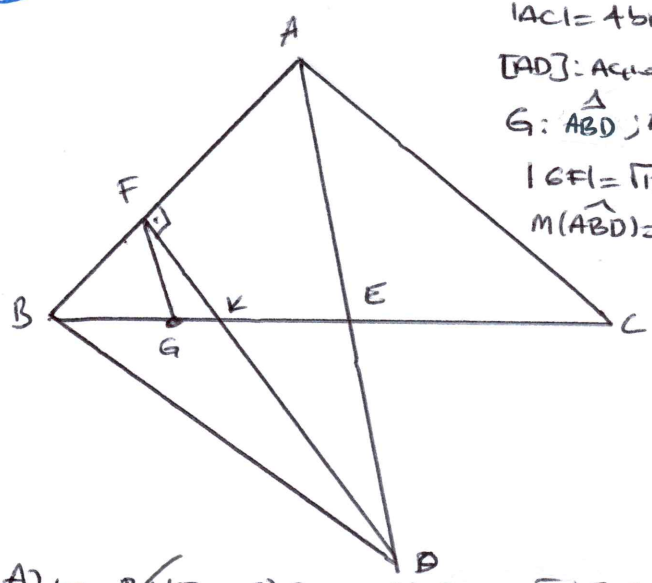
28

$m\angle A = 60^\circ$   
 $m\angle C = 30^\circ$



- A) 30 B) 35 C) 38 D) 42 E) 45

25

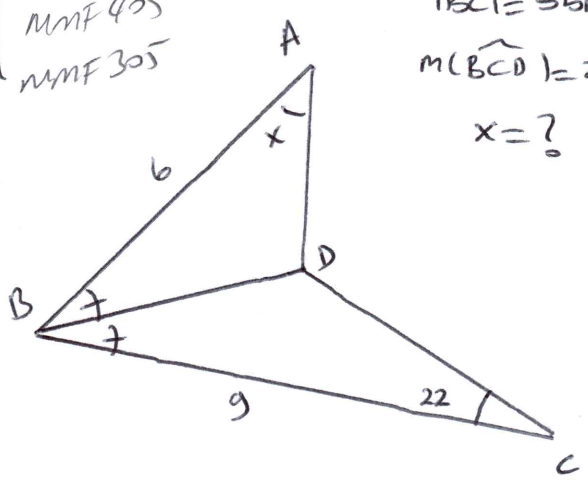


$|AB|=12br$   
 $|AC|=4br$   
 $[AD] \perp [CF]$   
 $G: \Delta ABD; \Delta BCE; \Delta CAF$   
 $|GF|=1\sqrt{3}$   
 $m(\widehat{ABD})=?$

- A) 10 B) 15 C) 25 D) 30 E) 35

32

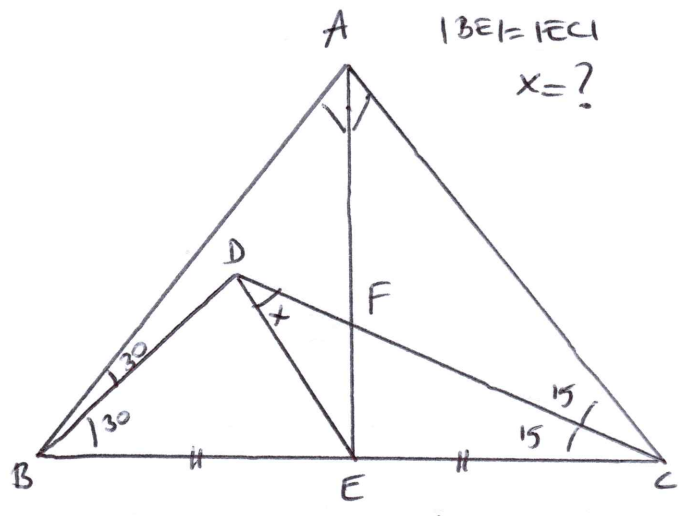
$m\widehat{M} = 50^\circ$   
 $m\widehat{N} = 40^\circ$   
 $m\widehat{P} = 30^\circ$



$|AB|=6br$   
 $|BC|=3br$   
 $m(\widehat{BCD})=22^\circ$   
 $x=?$

- A) 11 B) 22 C) 33 D) 44 E) 55

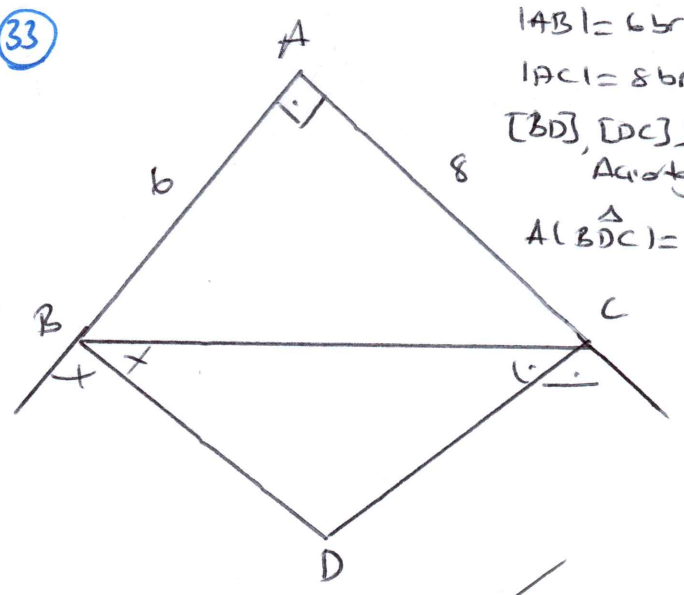
30



$m(\widehat{ABD}) = m(\widehat{DBE}) = 30^\circ$   
 $m(\widehat{ACD}) = m(\widehat{DCE}) = 15^\circ$   
 $|BE|=|EC|$   
 $x=?$

- A) 5 B) 15 C) 25 D) 30 E) 45

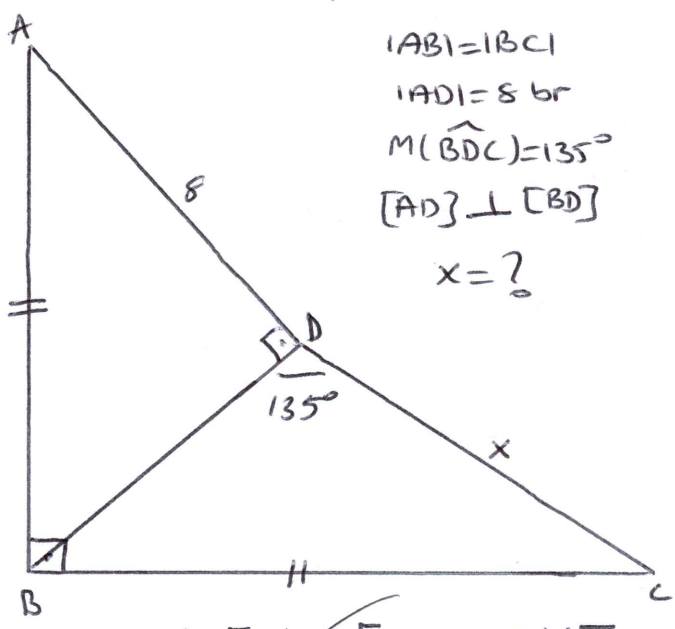
33



$|AB|=6br$   
 $|AC|=8br$   
 $[AD] \perp [BC]$   
 $m(\widehat{BDC})=?$

- A) 30 B) 44 C) 55 D) 60 E) 65

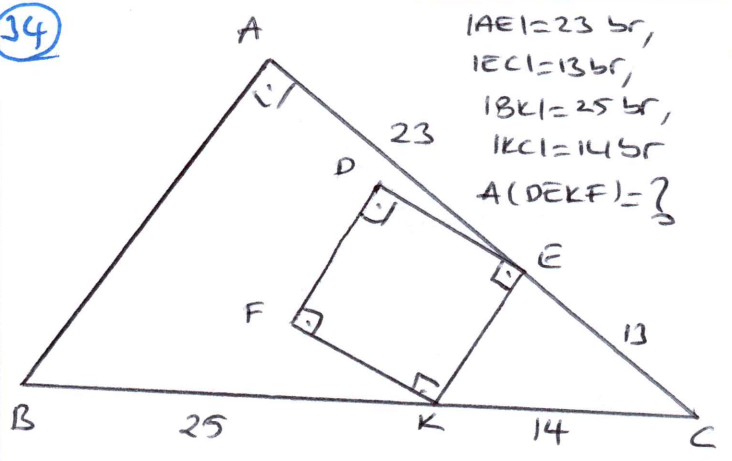
31



$|AB|=|BC|$   
 $|AD|=8br$   
 $m(\widehat{BDC})=135^\circ$   
 $[AD] \perp [BD]$   
 $x=?$

- A) 1 B)  $3\sqrt{2}$  C)  $4\sqrt{2}$  D) 5 E)  $6\sqrt{2}$

34



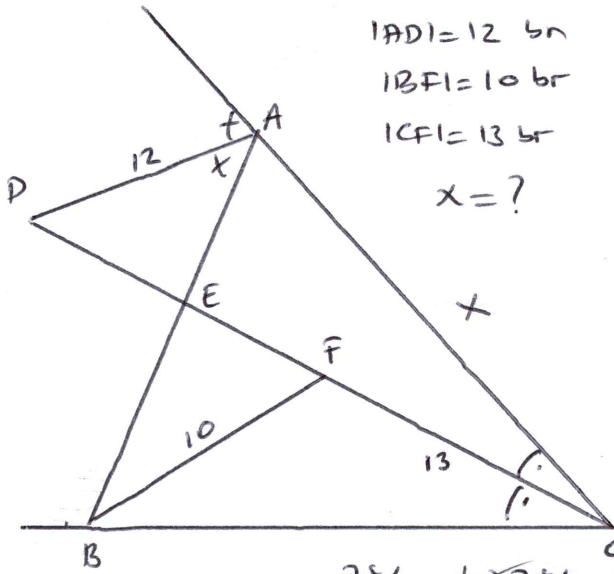
$|AE|=23br$   
 $|EC|=13br$   
 $|BK|=25br$   
 $|KC|=14br$   
 $m(\widehat{DEK})=?$

- A) 15 B) 17 C) 13 D) 27 E) 23

35

$[AD], [CD] \perp AC$   $\triangle ABC$

$|AD| = 12$  br  
 $|BF| = 10$  br  
 $|CF| = 13$  br  
 $x = ?$

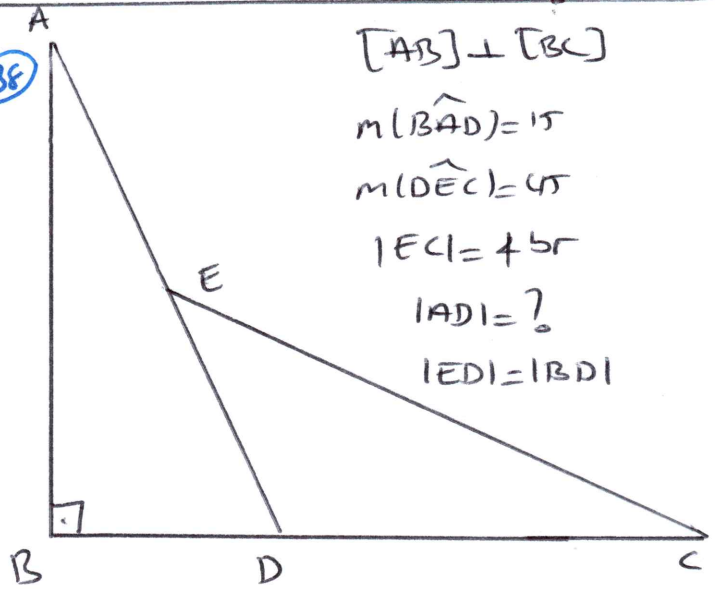


A) 10 B) 12 C)  $78/15$  D)  $78/5$  E)  $50/9$

38

$[AB] \perp [BC]$

$m(\widehat{BAD}) = 15^\circ$   
 $m(\widehat{DEC}) = 45^\circ$   
 $|EC| = 4$  br  
 $|AD| = ?$   
 $|ED| = |BD|$

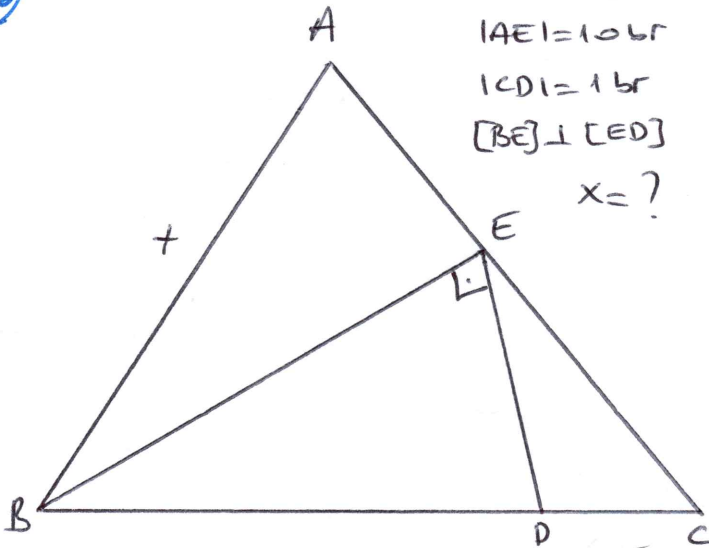


A) 2 B) 4 C) 6 D) 8 E) 10

36

$\triangle ABC = \triangle EBC$

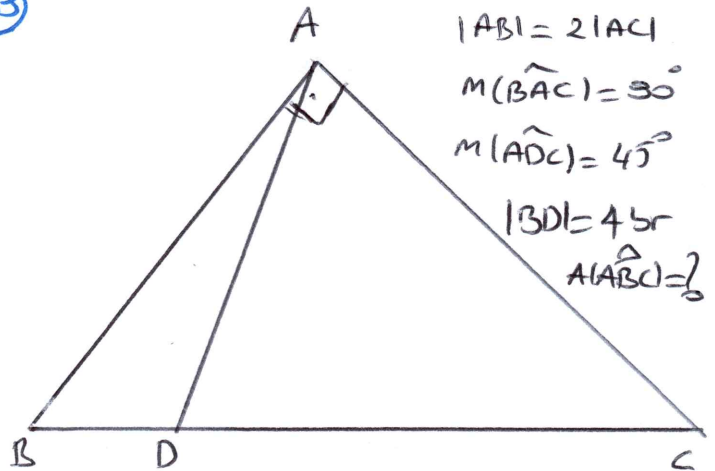
$|AE| = 10$  br  
 $|CD| = 1$  br  
 $[BE] \perp [ED]$   
 $x = ?$



A) 15 B) 17 C) 19 D) 21 E) 23

33

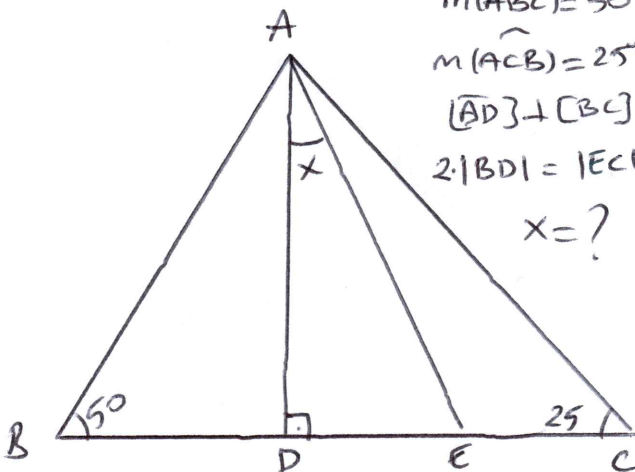
$|AB| = 2|AC|$   
 $m(\widehat{BAC}) = 30^\circ$   
 $m(\widehat{ADC}) = 45^\circ$   
 $|BD| = 4$  br  
 $m(\widehat{ABC}) = ?$



A) 10 B) 15 C) 20 D) 25 E) 30

37

$m(\widehat{ABC}) = 50^\circ$   
 $m(\widehat{ACB}) = 25^\circ$   
 $[AD] \perp [BC]$   
 $2|BD| = |EC|$   
 $x = ?$

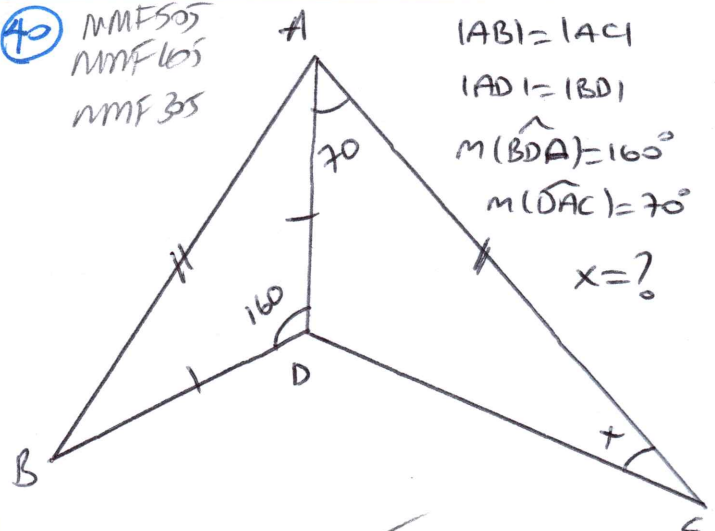


A) 10 B) 15 C) 25 D) 30 E) 35

40

$m\widehat{A} = 55^\circ$   
 $m\widehat{B} = 65^\circ$   
 $m\widehat{C} = 35^\circ$

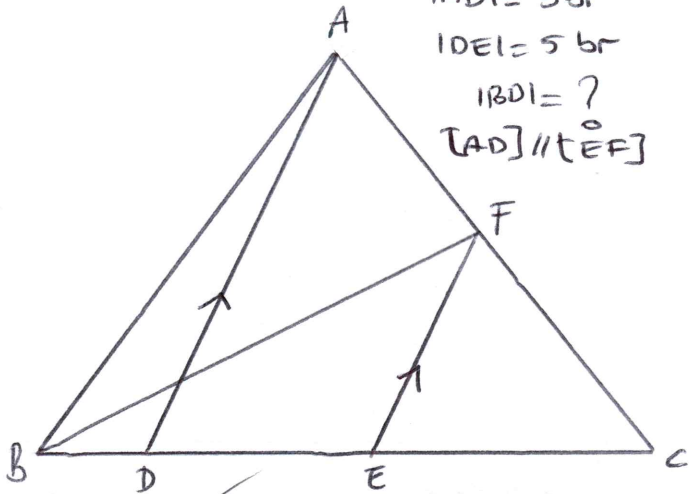
$|AB| = |AC|$   
 $|AD| = |BD|$   
 $m(\widehat{BDA}) = 160^\circ$   
 $m(\widehat{DAC}) = 70^\circ$   
 $x = ?$



A) 10 B) 20 C) 30 D) 40 E) 50

41

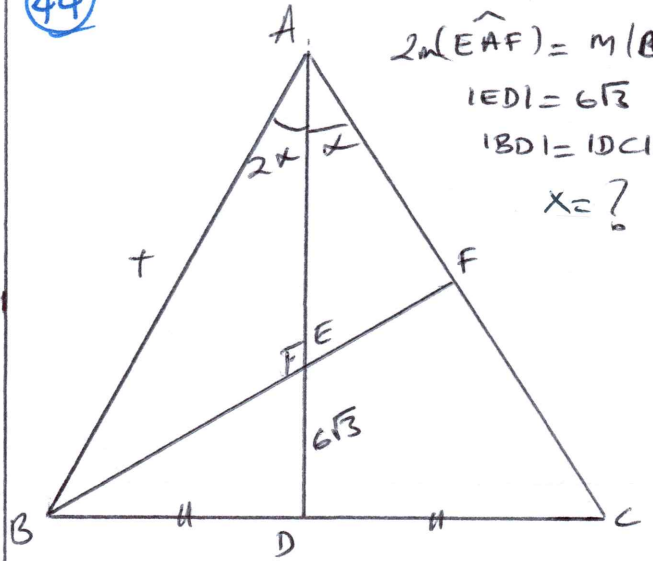
$|AB| = |BF|$   
 $|EF| = |EC|$   
 $|AD| = 9br$   
 $|DE| = 5br$   
 $|BD| = ?$   
 $[AD] \parallel [EF]$



- A) 6 B) 5 C) 4 D) 2 E) 1

44

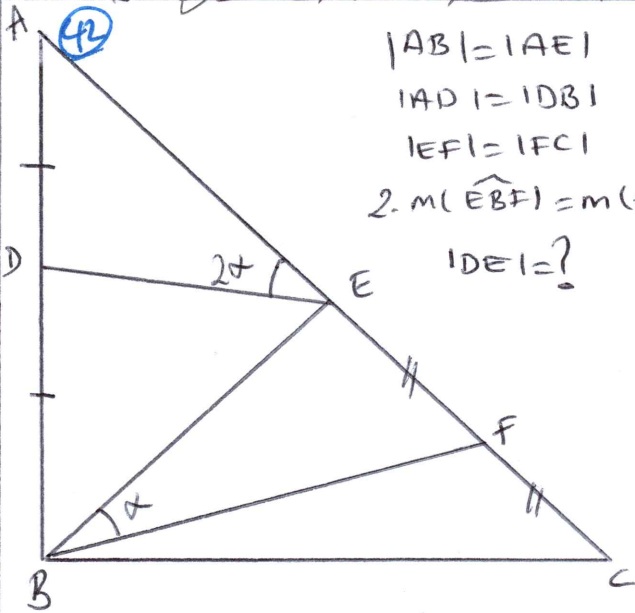
$2m(\widehat{EAF}) = m(\widehat{BAE})$   
 $|ED| = 6\sqrt{3}$   
 $|BD| = |DC|$   
 $x = ?$



- A)  $3\sqrt{3}$  B)  $6\sqrt{3}$  C)  $9\sqrt{3}$  D)  $12\sqrt{3}$  E)  $15\sqrt{3}$

42

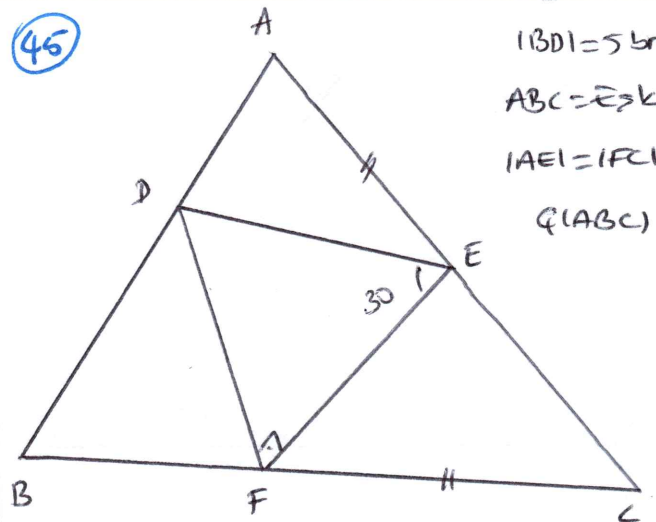
$|AB| = |AE|$   
 $|AD| = |DB|$   
 $|EF| = |FC|$   
 $2 \cdot m(\widehat{EBF}) = m(\widehat{AED})$   
 $|DE| = ?$



- A) 1 B) 3 C) 5 D) 6 E) 7

45

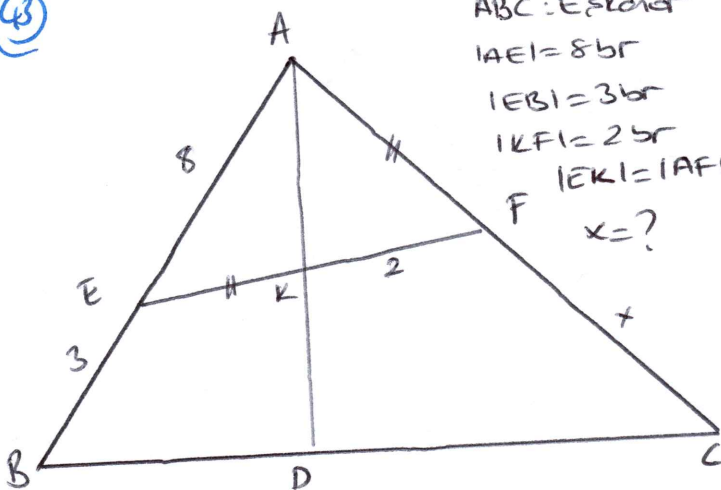
$|BD| = 5br$   
 $ABC = \text{Eşkenar}$   
 $|AE| = |FC|$   
 $Q(ABC) = ?$



- A) 17 B) 20 C) 35 D) 45 E) 50

43

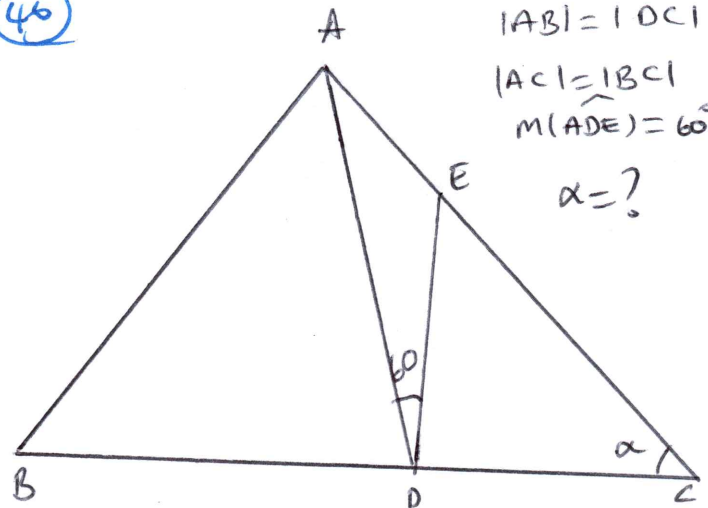
$ABC = \text{Eşkenar}$   
 $|AE| = 8br$   
 $|EB| = 3br$   
 $|KF| = 2br$   
 $|EK| = |AF|$   
 $x = ?$



- A) 10 B) 13 C) 16 D) 20 E) 26

46

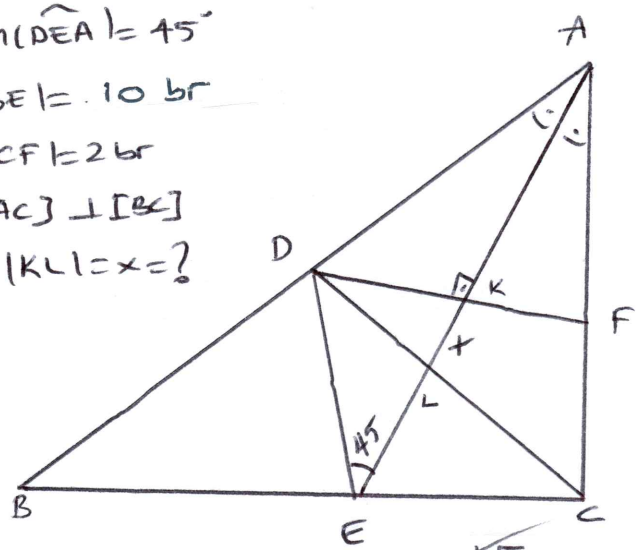
$|AB| = |DC|$   
 $|AC| = |BC|$   
 $m(\widehat{ADE}) = 60^\circ$   
 $x = ?$



- A) 10 B) 20 C) 30 D) 40 E) 45

[AE] : Ağırlık (47)

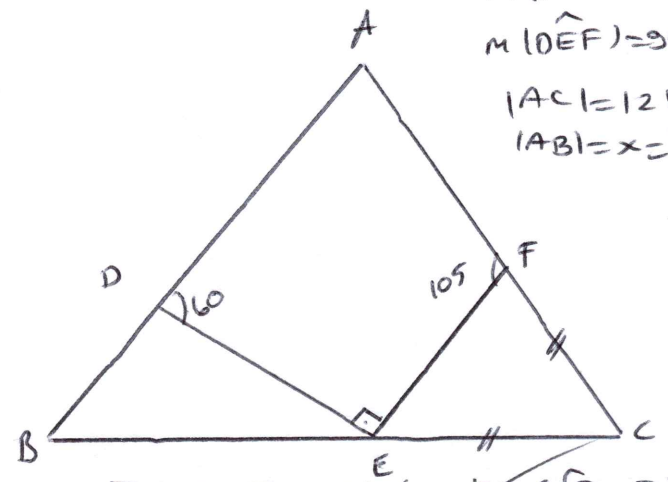
$m(\widehat{DEA}) = 45^\circ$   
 $|BE| = 10 \text{ br}$   
 $|CF| = 2 \text{ br}$   
 $[AC] \perp [BC]$   
 $|KL| = x = ?$



- A) 1 B) 2 C)  $\frac{3\sqrt{5}}{2}$  D)  $\frac{4\sqrt{5}}{11}$  E) 5

(50)

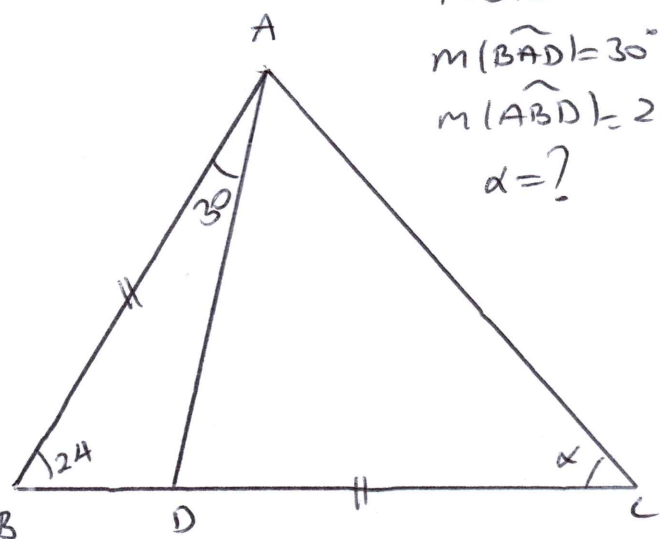
$|FC| = |EC|$   
 $m(\widehat{ADE}) = 60^\circ$   
 $m(\widehat{AFE}) = 105^\circ$   
 $m(\widehat{DEF}) = 90^\circ$   
 $|AC| = 12 \text{ br}$   
 $|AB| = x = ?$



- A)  $3\sqrt{2}$  B)  $3\sqrt{5}$  C) 6 D)  $6\sqrt{2}$  E) 7

(48)

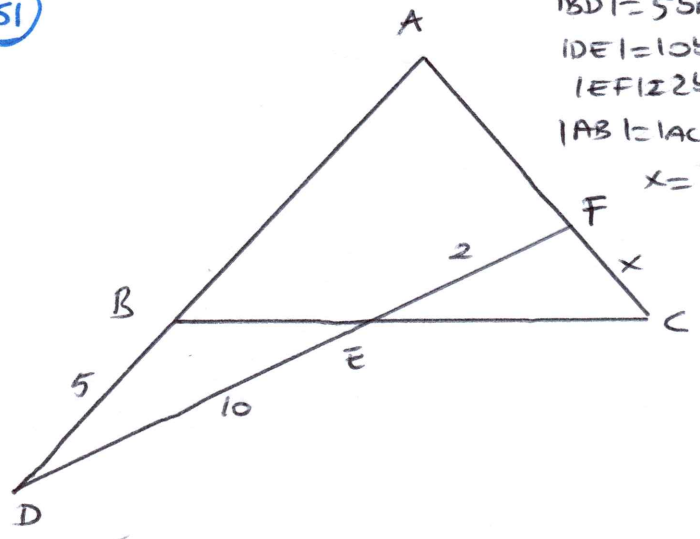
$|AB| = |DC|$   
 $m(\widehat{BAD}) = 30^\circ$   
 $m(\widehat{ABD}) = 24^\circ$   
 $x = ?$



- A) 15 B) 20 C) 25 D) 30 E) 36

(51)

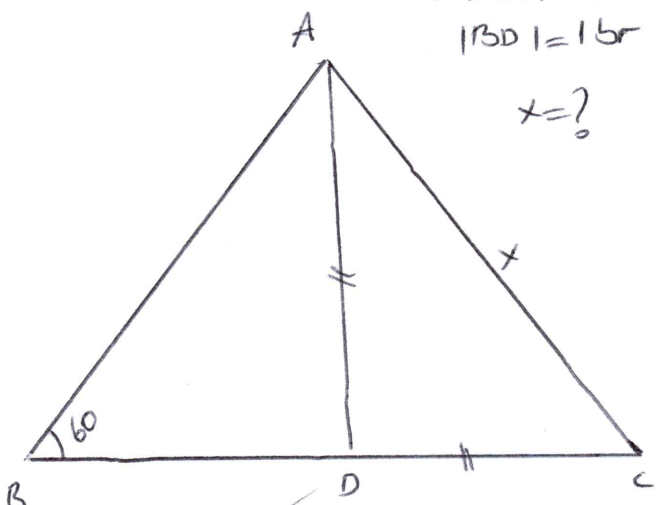
$|BD| = 5 \text{ br}$   
 $|DE| = 10 \text{ br}$   
 $|EF| = 2 \text{ br}$   
 $|AB| = |AC|$   
 $x = ?$



- A) 1 B) 2 C) 3 D) 4 E) 5

(43)

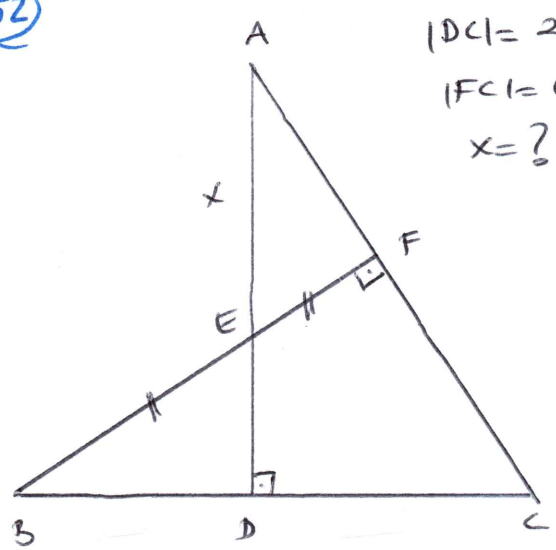
$|AD| = |DC|$   
 $m(\widehat{ABD}) = 60^\circ$   
 $|BD| = 1 \text{ br}$   
 $x = ?$



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

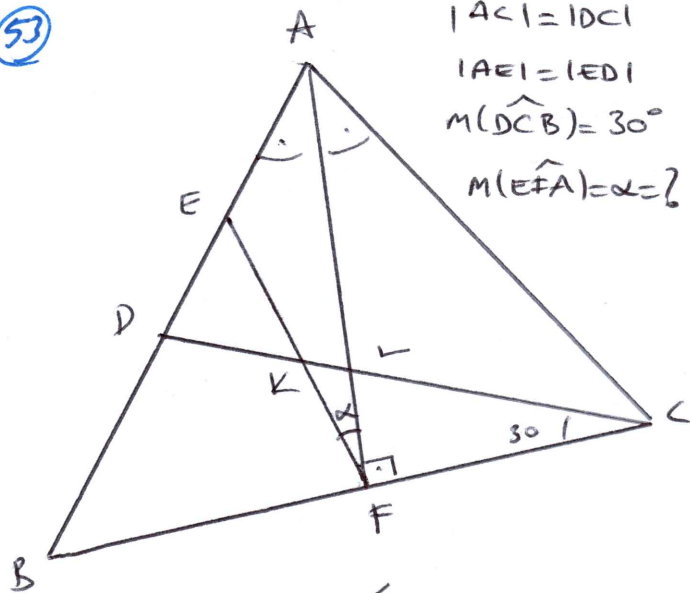
(52)

$|BE| = |EF|$   
 $|DC| = 2 \cdot |BD|$   
 $|FC| = 6 \text{ br}$   
 $x = ?$



- A)  $\sqrt{6}$  B)  $2\sqrt{6}$  C)  $3\sqrt{6}$  D)  $4\sqrt{6}$  E) 5

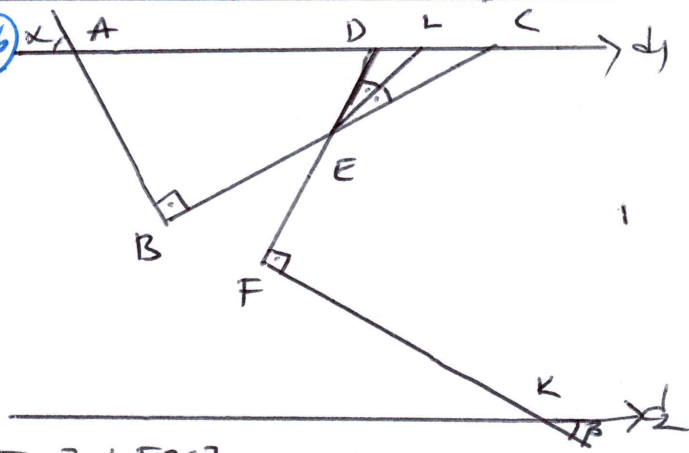
53



$|AC| = |DC|$   
 $|AE| = |ED|$   
 $m(\widehat{DCB}) = 30^\circ$   
 $m(\widehat{EFA}) = \alpha = ?$

- A) 5 B) 7,5 C) 10 D) 15 E) 20

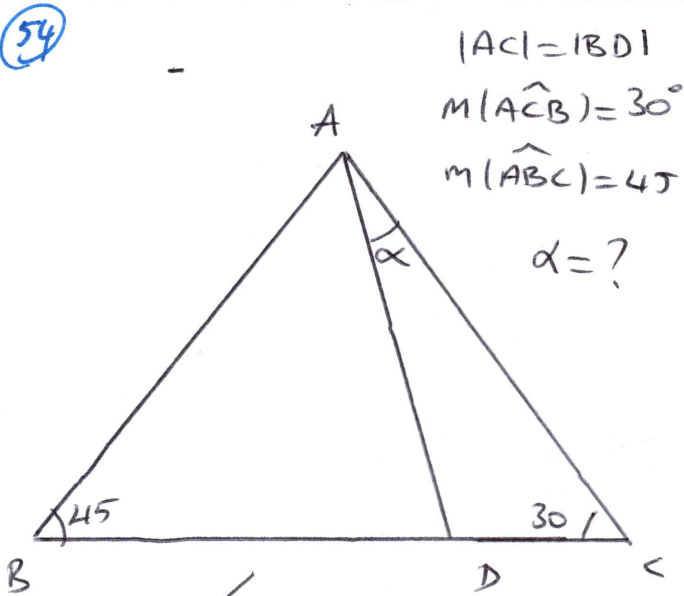
56



$[AB] \perp [BC]$   
 $[DF] \perp [FK]$   
 $d_1 \parallel d_2$   
 $\alpha + \beta = 110$   
 $m(\widehat{ALE}) = ?$

- A) 70 B) 50 C) 35 D) 25 E) 20

54

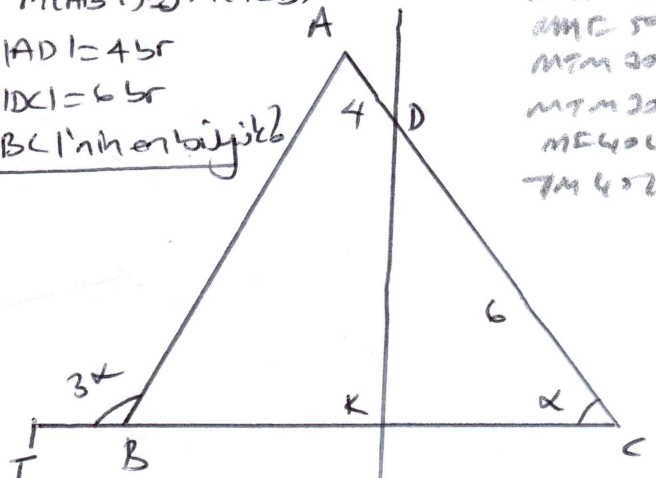


$|AC| = |BD|$   
 $m(\widehat{ACB}) = 30^\circ$   
 $m(\widehat{ABC}) = 45^\circ$   
 $\alpha = ?$

- A) 10 B) 15 C) 30 D) 45 E) 60

57

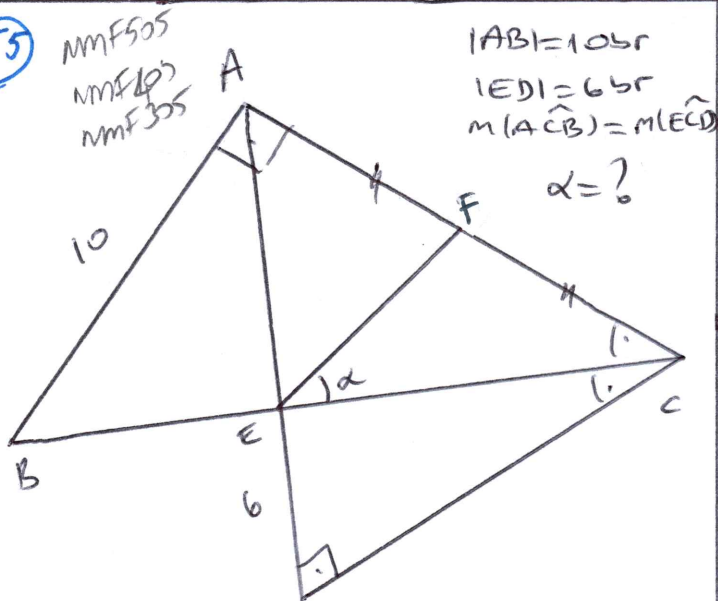
1. degenus  $[BC]$  ni ort dikme  
 degenus  
 $m(\widehat{ABT}) = 3m(\widehat{ACB})$   
 $|AD| = 4br$   
 $|DC| = 6br$   
 $[BC]$  ni herbağlı?



$m\widehat{A} = 30^\circ$   
 $m\widehat{B} = 40^\circ$   
 $m\widehat{C} = 50^\circ$   
 $m\widehat{D} = 30^\circ$   
 $m\widehat{E} = 30^\circ$   
 $m\widehat{F} = 40^\circ$   
 $m\widehat{G} = 45^\circ$

- A) 20 B) 17 C) 15 D) 10 E) 7

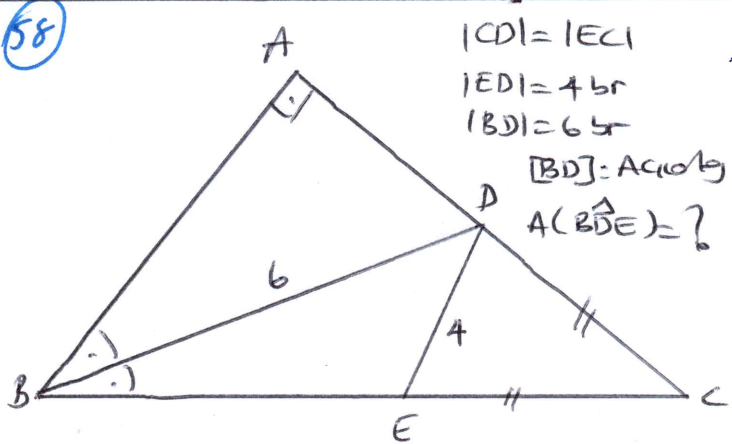
55



$|AB| = 10br$   
 $|ED| = 6br$   
 $m(\widehat{ACB}) = m(\widehat{ECD})$   
 $\alpha = ?$

- A) 30 B) 45 C) 75 D) 85 E) 90

58



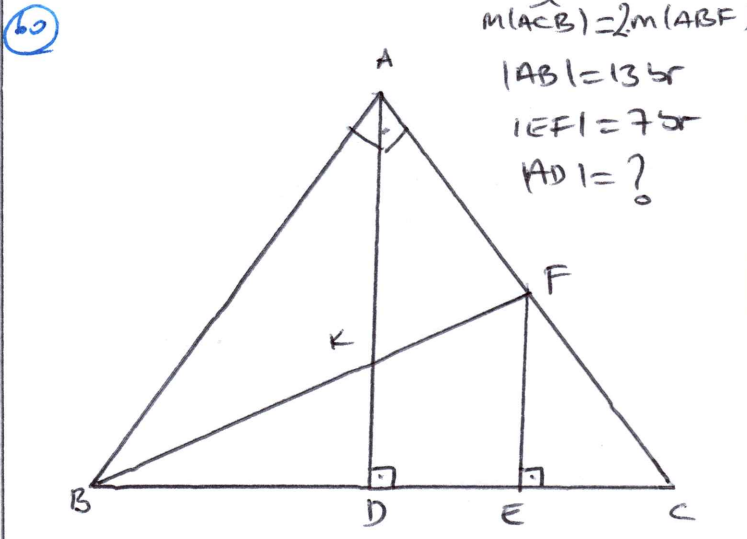
$|CD| = |CE|$   
 $|ED| = 4br$   
 $|BD| = 6br$   
 $[BD] = AC$   
 $m(\widehat{BDE}) = ?$

- A) 3 B)  $3\sqrt{2}$  C)  $6\sqrt{2}$  D) 7 E) 16

5)  $\triangle ABC$  üçgeninin  $[AB]$  kenarı  $|AF| = |FE| = |EB|$  olacak şekilde  $\hat{A}$  es parçaya,  $[BC]$  kenarı  $|BD| = |DC|$  olacak şekilde  $\hat{B}$  es parçaya bölünmüştür.

Yukarıdaki verilere göre  $A(\hat{ABC}) = 252 \text{ cm}^2$  olduğuna göre  $A(\hat{KHC}) = ?$

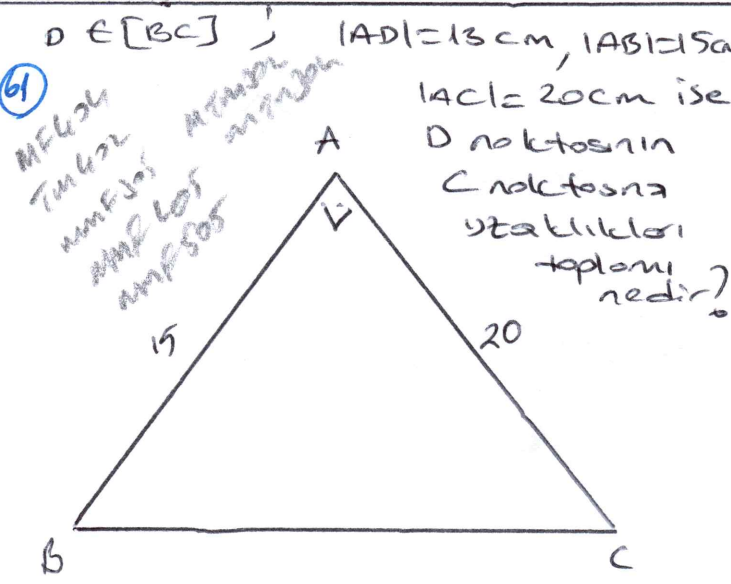
- A) 36 B) 45 C) 52 D) 54 E) 65



$m(\hat{ACB}) = 2m(\hat{ABF})$   
 $|AB| = 13 \text{ br}$   
 $|EF| = 7 \text{ br}$   
 $|AD| = ?$

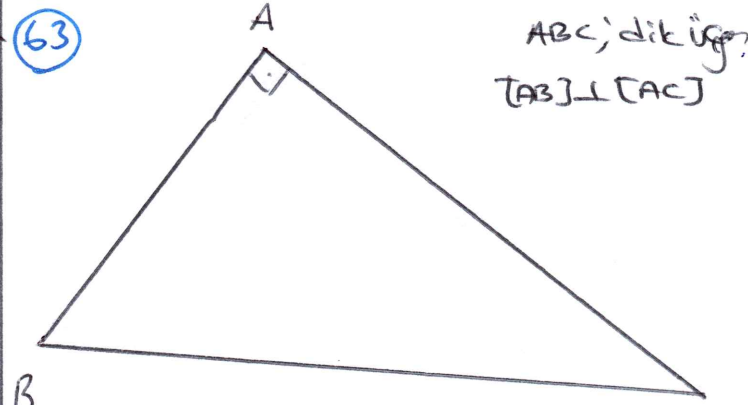
- A) 5 B) 10 C) 12 D) 15 E) 17

6)  $|CD| = 10 \text{ br}$   
 $|CK| = 2\sqrt{3} \text{ br}$   
 Yatayla  $60^\circ$ 'lik açı yaparak  $\hat{C}$ 'den  $\hat{A}$ 'ya doğru  $[CK]$  duvarının kaç metre yüksekliğinde bir kısımlı islatır?  
 A) 8 B) 7 C) 6 D) 5 E) 4.



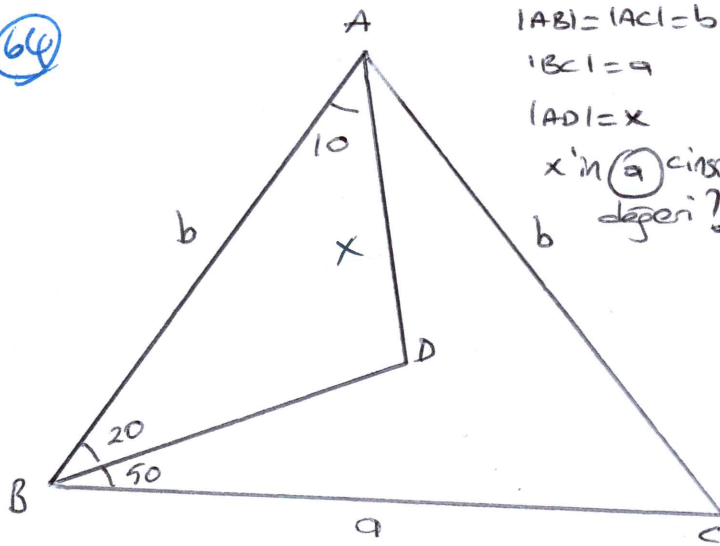
$D \in [BC]$ ,  $|AD| = 13 \text{ cm}$ ,  $|AB| = 15$   
 $|AC| = 20 \text{ cm}$  ise D noktasının C noktasına uzaklığı kaçtır?  
 (D noktasının C noktasına uzaklığı nedir?)

61)  $m(\hat{C}) = 45^\circ$   
 $m(\hat{A}) = 75^\circ$   
 $m(\hat{B}) = 120^\circ$   
 $m(\hat{D}) = 105^\circ$   
 $m(\hat{E}) = 135^\circ$



63)  $ABC$  dik üçgen  $[AB] \perp [AC]$   
 $O_1$ ;  $ABC$  üçgeninin iç teğet çemberi  $M$   
 $O_2$ ;  $ABC$  üçgeninin çevrel çemberi  $M$   
 $|AB| = 6 \text{ br}$ ,  $|AC| = 8 \text{ br}$ ,  $|O_1O_2| = x$   
 $x = ?$   
 A)  $\frac{1}{2}$  B)  $\frac{1}{3}$  C)  $\frac{1}{5}$  D) 2 E)  $\frac{1}{6}$

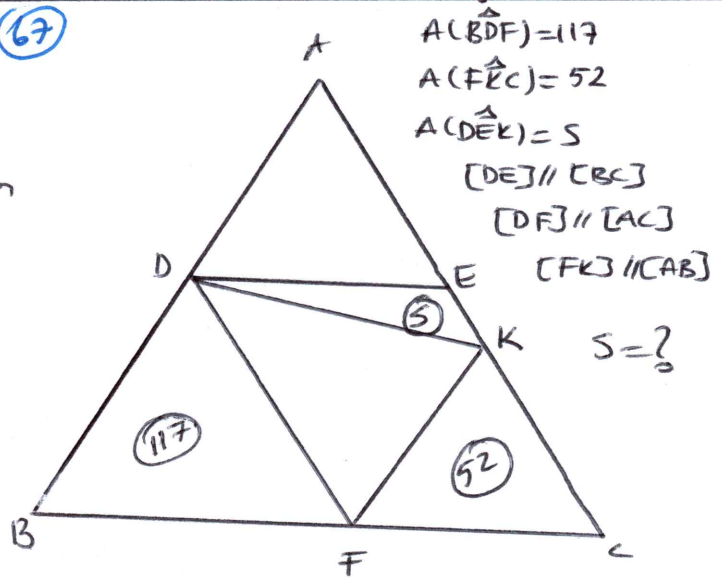
64



$|AB|=|AC|=b$   
 $|BC|=a$   
 $|AD|=x$   
 $x$ 'in  $(a)$  cinsin  
 degeni?

$m(\widehat{BAD})=10^\circ, m(\widehat{ABD})=20^\circ, m(\widehat{DBC})=50^\circ$   
 A) 9 B) 29 C) 39 D)  $9/2$  E) 49

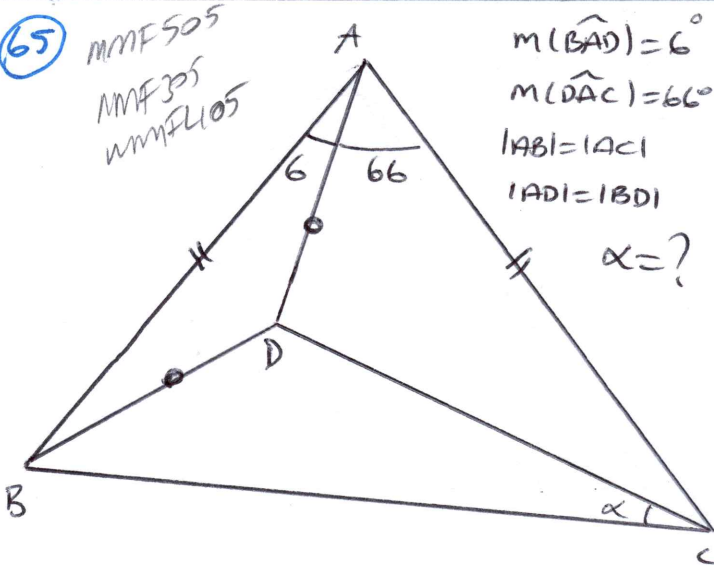
67



$A(\widehat{BDF})=117$   
 $A(\widehat{FEC})=52$   
 $A(\widehat{DEK})=5$   
 $[DE] \parallel [BC]$   
 $[DF] \parallel [AC]$   
 $[EK] \parallel [AB]$   
 $S=?$

A) 26 B) 20 C) 18 D) 16 E) 12

65

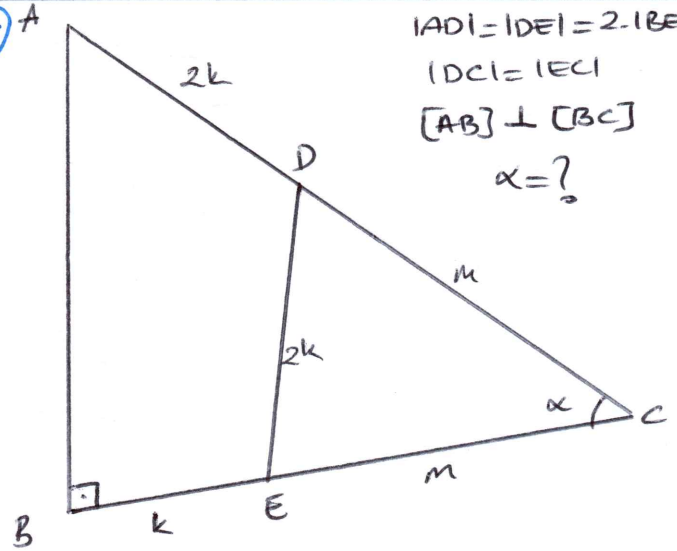


MMF505  
 MMF305  
 MMF105

$m(\widehat{BAD})=6^\circ$   
 $m(\widehat{DAC})=66^\circ$   
 $|AB|=|AC|$   
 $|AD|=|BD|$   
 $\alpha=?$

A) 10 B) 15 C) 20 D) 24 E) 30

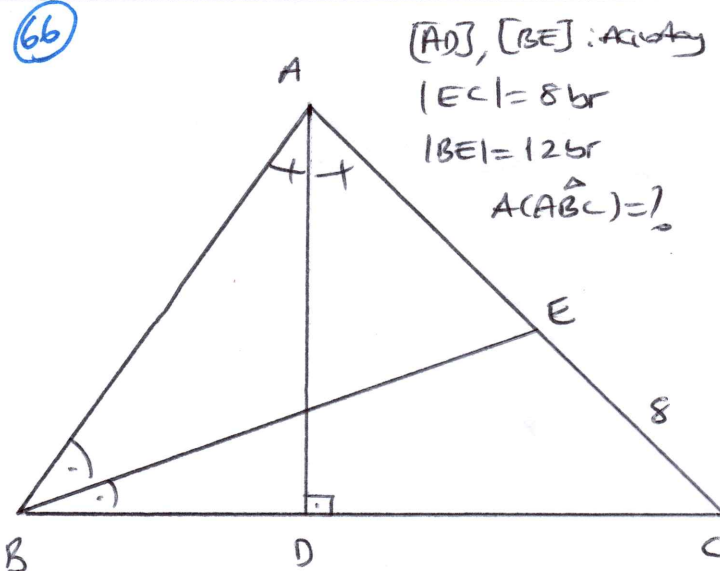
68



$|AD|=|DE|=2 \cdot |BE|$   
 $|DC|=|EC|$   
 $[AB] \perp [BC]$   
 $\alpha=?$

A) 12 B) 24 C) 36 D) 48 E) 60

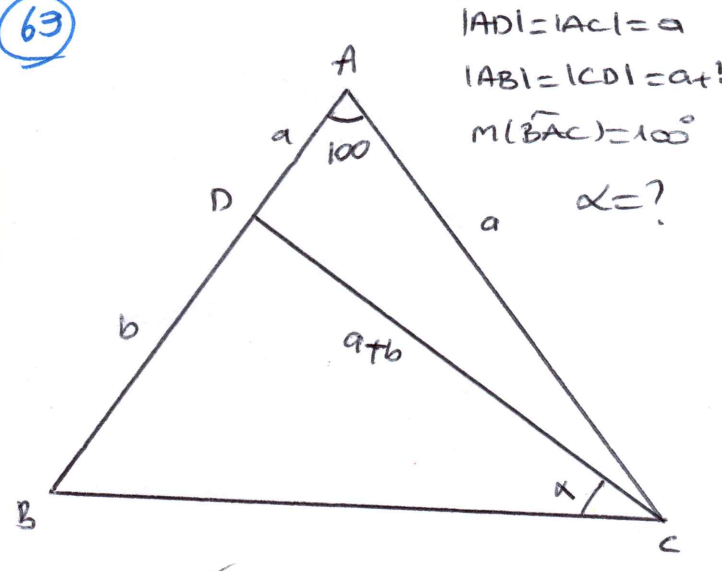
66



$[AD], [BE] : AC$  ortog  
 $|EC|=8br$   
 $|BE|=12br$   
 $A(\widehat{ABC})=?$

A)  $50\sqrt{7}$  B)  $60\sqrt{7}$  C)  $65\sqrt{7}$  D)  $70\sqrt{7}$  E)  $75\sqrt{7}$

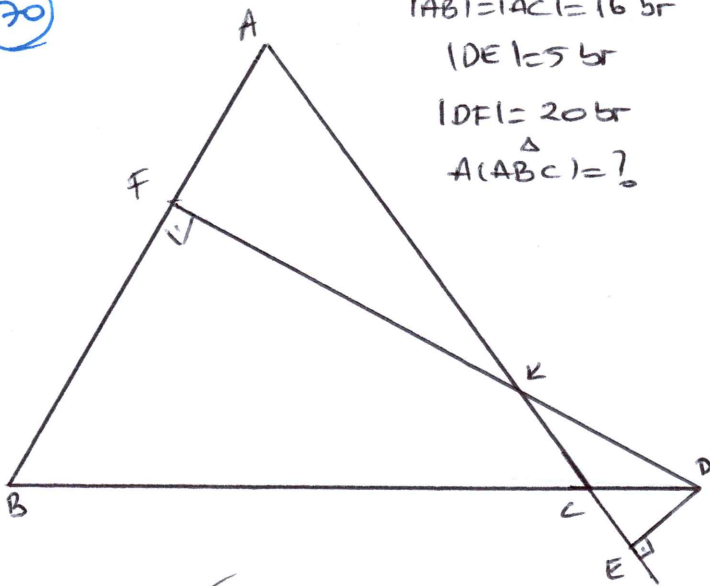
69



$|AD|=|AC|=a$   
 $|AB|=|CD|=a+b$   
 $m(\widehat{BAC})=100^\circ$   
 $\alpha=?$

A) 5 B) 10 C) 15 D) 20 E) 25

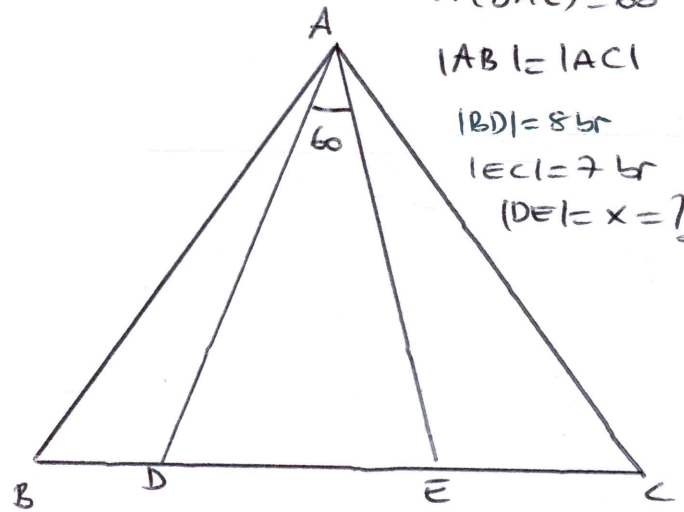
70



$|AB| = |AC| = 16$  br  
 $|DE| = 5$  br  
 $|DF| = 20$  br  
 $A(\widehat{ABC}) = ?$

- A) 100 B) 120 C) 150 D) 180 E) 200

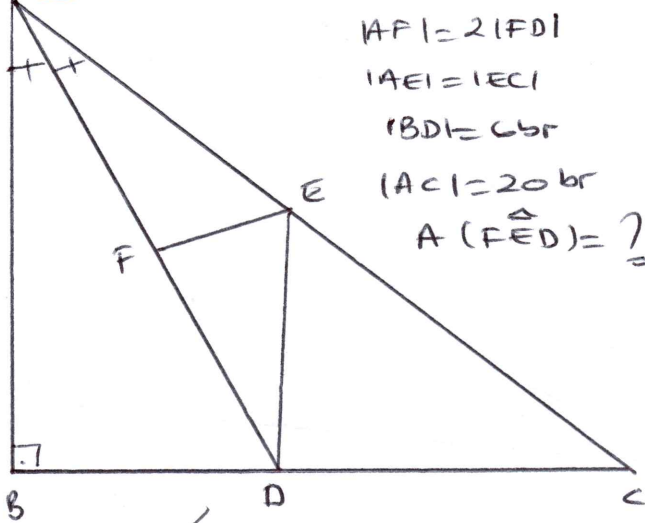
73



$m(\widehat{BAC}) = 120^\circ$   
 $m(\widehat{DAE}) = 60^\circ$   
 $|AB| = |AC|$   
 $|BD| = 8$  br  
 $|EC| = 7$  br  
 $|DE| = x = ?$

- A)  $\sqrt{41}$  B) 7 C)  $\sqrt{57}$  D)  $\sqrt{65}$  E) 81

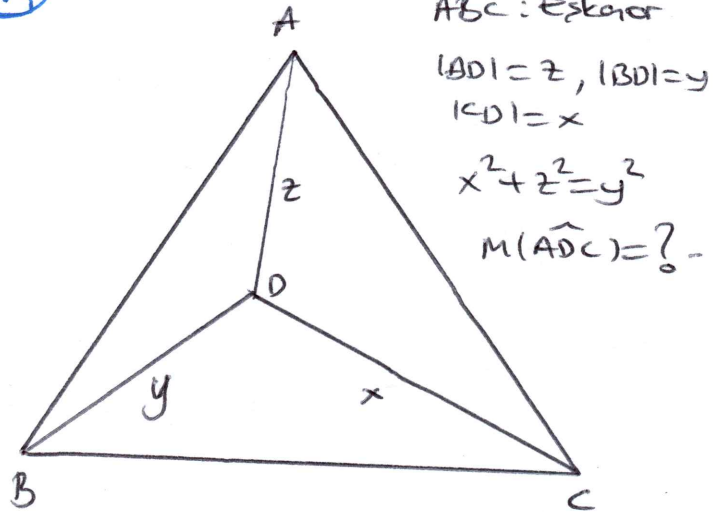
71



$m(\widehat{BAD}) = m(\widehat{DAC})$   
 $|AF| = 2|FD|$   
 $|AE| = |EC|$   
 $|BD| = 6$  br  
 $|AC| = 20$  br  
 $A(\widehat{FED}) = ?$

- A) 5 B) 10 C) 15 D) 20 E) 30

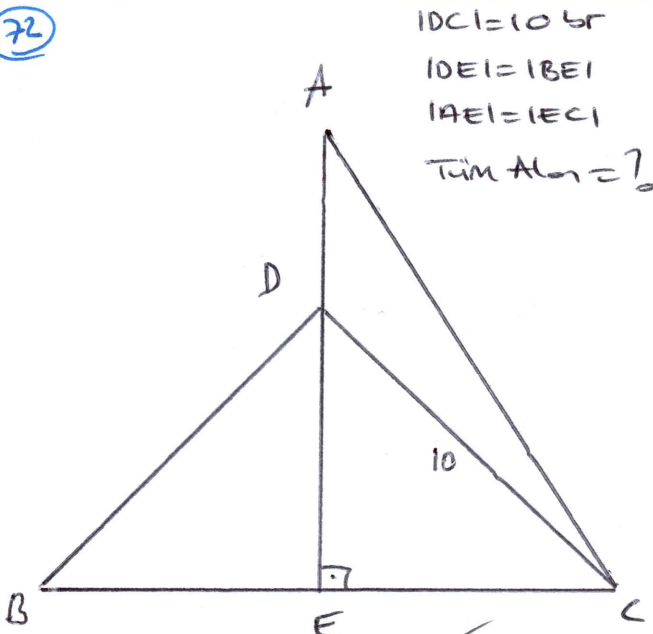
74



$ABC$ : Eskiör  
 $|BD| = z, |CD| = x$   
 $|AD| = y$   
 $x^2 + z^2 = y^2$   
 $m(\widehat{ADC}) = ?$

- A) 100 B) 120 C) 150 D) 180 E) 110

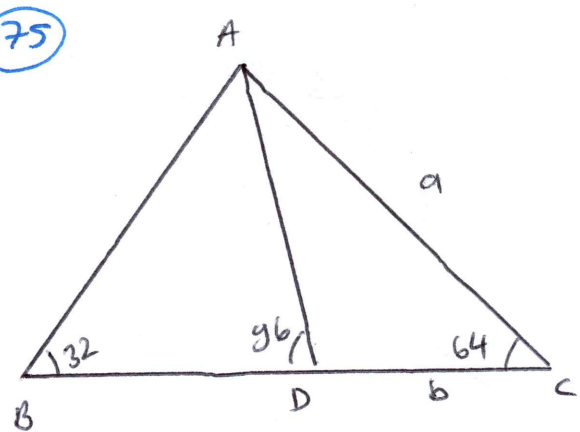
72



$|DC| = 10$  br  
 $|DE| = |BE|$   
 $|AE| = |EC|$   
 $Tüm Alan = ?$

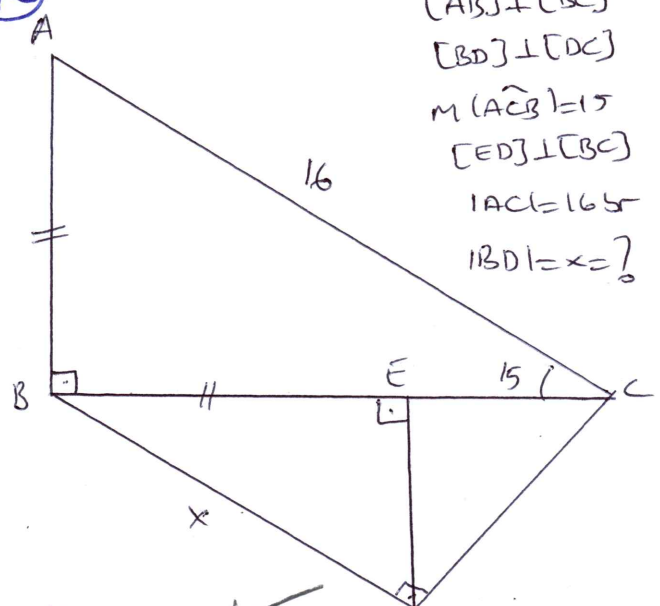
- A) 20 B) 30 C) 40 D) 50 E) 60

75



$m(\widehat{ABC}) = 32^\circ, m(\widehat{ADB}) = 36^\circ, m(\widehat{ACB}) = 64^\circ$   
 $|AC| = a, |DC| = b, |BC| = a + b$   
 çinşin esiti nedir?  
 A)  $a \cdot b$  B)  $a/b$  C)  $b/a$  D)  $a^2/b$  E)  $a + b$

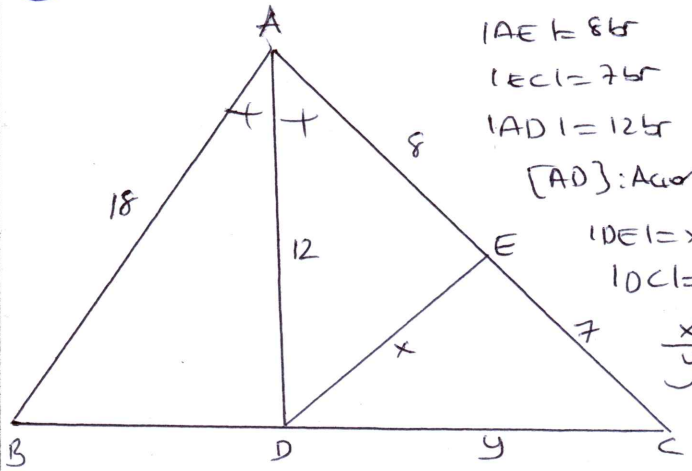
76



$[AB] \perp [BC]$   
 $[BD] \perp [DC]$   
 $m(\widehat{ACB}) = 15^\circ$   
 $[ED] \perp [BC]$   
 $|AC| = 16\sqrt{5}$   
 $|BD| = x = ?$

A) 4 B) 6 C) 8 D) 12 E) 12

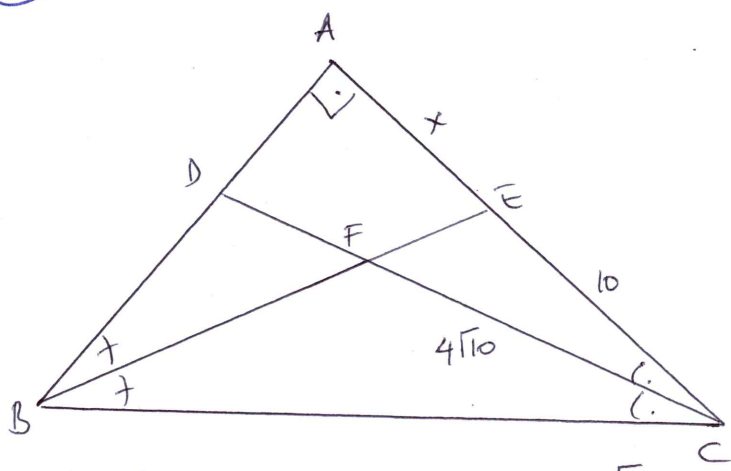
77



$|AB| = 18$  br  
 $|AE| = 8$  br  
 $|EC| = 7$  br  
 $|AD| = 12$  br  
 $[AD] \perp [BC]$   
 $[DE] \perp [AC]$   
 $|DE| = x$   
 $|EC| = y$   
 $\frac{x}{y} = ?$

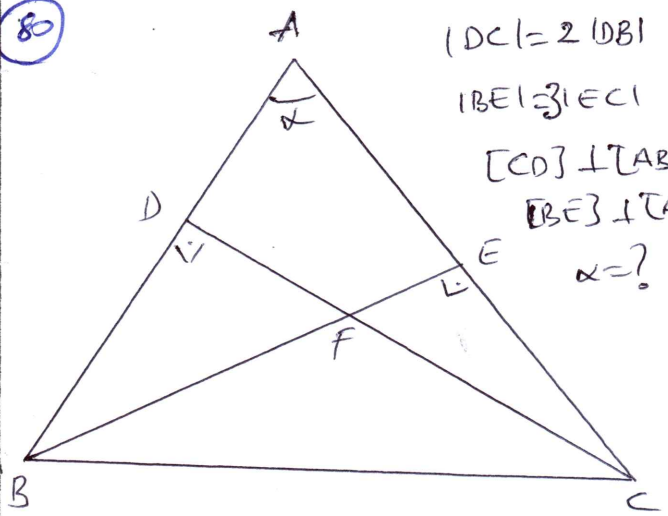
A)  $\frac{1}{2}$  B)  $\frac{3}{4}$  C)  $\frac{4}{5}$  D)  $\frac{8}{7}$  E)  $\frac{9}{5}$

77



$|AE| = x$ ,  $|EC| = 10$  br,  $|FC| = 4\sqrt{10}$   
 $[BE] \perp [AC]$ ;  $A \perp B \perp C$ ,  $[AB] \perp [AC]$   
 $|AE| = x = ?$  A) 2 B) 3 C) 4 D) 5 E) 6

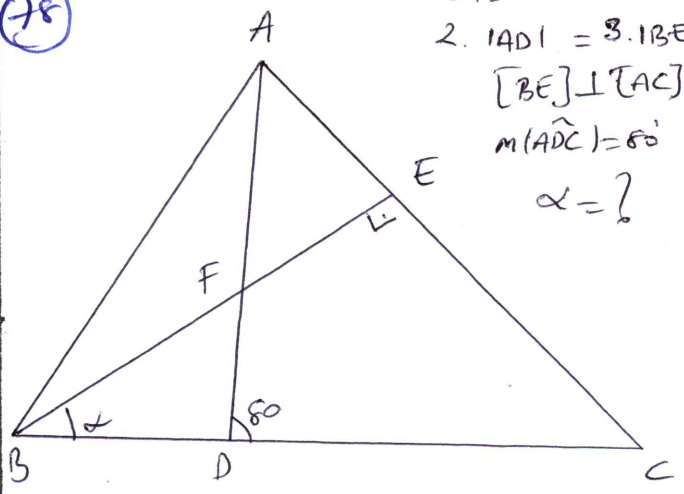
80



$|DC| = 2|DB|$   
 $|BE| = 3|EC|$   
 $[CD] \perp [AB]$   
 $[BE] \perp [AC]$   
 $\alpha = ?$

A) 15 B) 30 C) 45 D) 60 E) 75

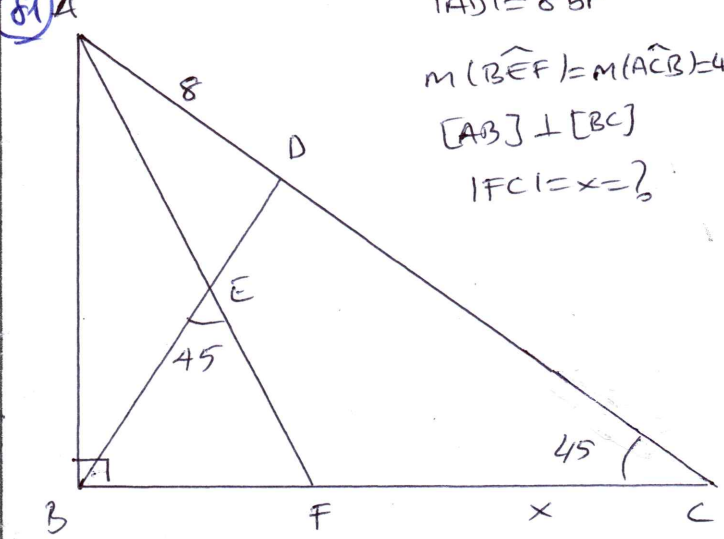
78



3.  $|BD| = |CD|$   
 2.  $|AD| = 3 \cdot |BE|$   
 $[BE] \perp [AC]$   
 $m(\widehat{ADC}) = 60^\circ$   
 $\alpha = ?$

A) 10 B) 20 C) 30 D) 40 E) 50

81



$|AD| = 8$  br  
 $m(\widehat{BEF}) = m(\widehat{ACB}) = 45^\circ$   
 $[AD] \perp [BC]$   
 $|FC| = x = ?$

A)  $2\sqrt{3}$  B)  $2\sqrt{5}$  C) 8 D)  $\sqrt{2}$  E)  $\sqrt{5}$

82

$|BE| = 3|EC|$   
 $|DC| = 2|DB|$   
 $[AB] \perp [DC]$   
 $[BE] \perp [AC]$   
 $\alpha = ?$

A) 22,5 B) 30 C) 45 D) 60 E) 75

85

$[DE] \perp [AB]$   
 $|AB| = |BD|$   
 $|DC| = 2|BE|$   
 $m(\widehat{ACB}) = 25^\circ$   
 $\alpha = ?$

A) 30 B) 40 C) 50 D) 60 E) 70

83

D) Diklik Merkezi üçgenin dışında olan bir ABC üçgeninde üçgenin üzerinde  $|AB| = |AC|$  olan Diklik merkezinin en yakını köşeye olan uzaklığı en kısa yüksekliğe eşittir.  $|AD| = |AC| = 12$  ise  $|BC| = ?$

A)  $3\sqrt{7}$  B) 4 C)  $4\sqrt{5}$  D) 5 E)  $6\sqrt{2}$

86

$m(\widehat{ABD}) = m(\widehat{ACD})$  ve  $|AB| = 2 \cdot |DC|$   
 $\alpha = ?$

A) 15 B) 25 C) 30 D) 45 E) 60

84

G: Ağırlık merkezi  
 $[BE] : AC$  olarak  
 $3|AF| = 4|FG|$   
 $\frac{c-a}{b} = ?$

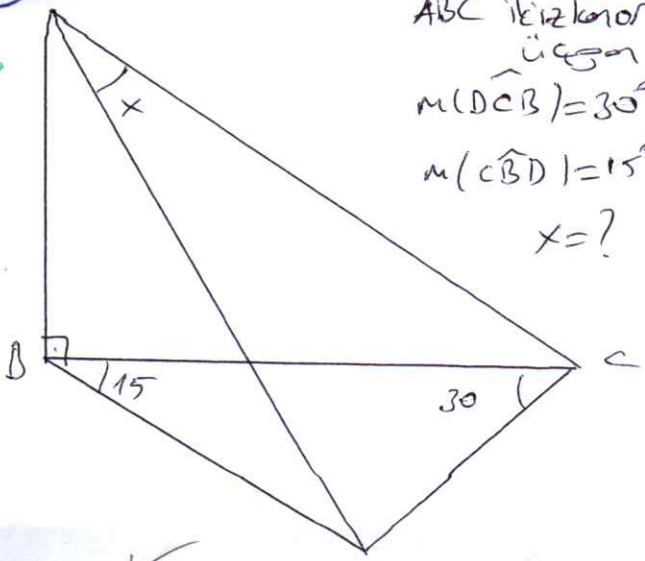
A) 3 B) 2 C)  $5/2$  D)  $1/2$  E) 1

87

$m(\widehat{B}) = 40$   
 $m(\widehat{C}) = 75$   
 $|BE| = 10$   
 $x = ?$

A) 10 B) 20 C) 30 D) 40 E) 50

88

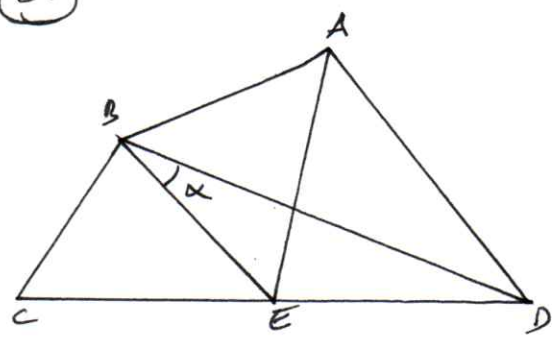


ABC ikizkenar üçgen  
 $m(\widehat{DCB}) = 30^\circ$   
 $m(\widehat{CBD}) = 15^\circ$   
 $x = ?$

- A) 10 B) 15 C) 20 D) 25 E) 30

ÜÇGENDE AÇI

91

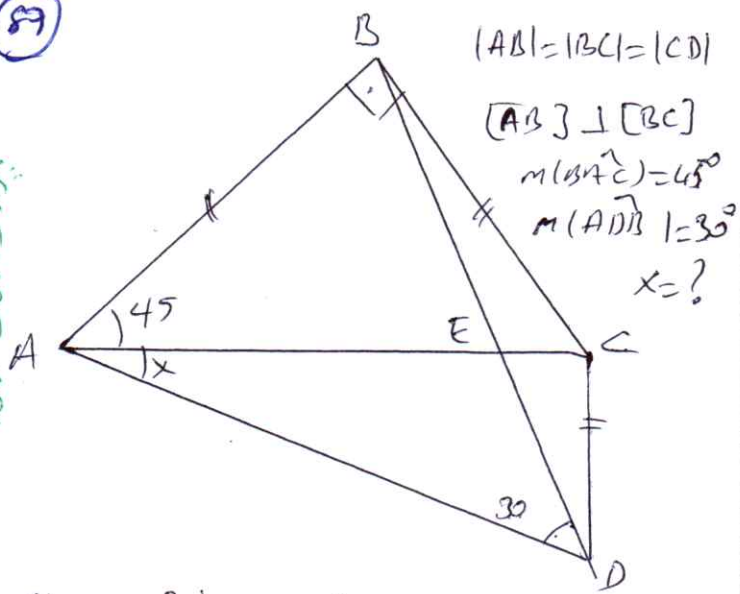


ABCD dörtgen  
 $m(\widehat{AFB}) = m(\widehat{DEC})$ ,  $m(\widehat{ADB}) = m(\widehat{BDC})$   
 $m(\widehat{ADC}) = 132$   
 $|AE| = |CE| = |DE|$   
 $x = ?$

- A) 20 B) 21 C) 22 D) 23 E) 24

ÜÇGENDE AÇI

89

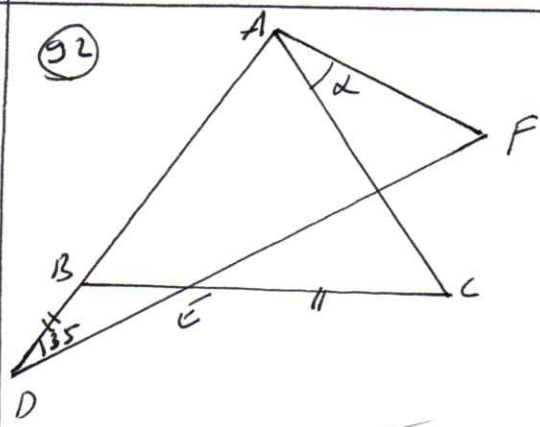


$|AB| = |BC| = |CD|$   
 $[AB] \perp [BC]$   
 $m(\widehat{BAC}) = 45^\circ$   
 $m(\widehat{ADB}) = 30^\circ$   
 $x = ?$

- A) 3 B) 10 C) 15 D) 17 E) 20

ÜÇGENDE AÇI

92

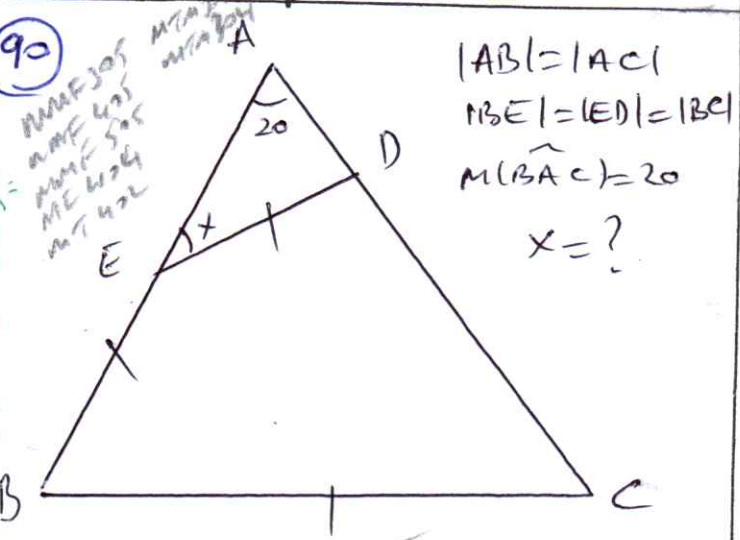


$|BD| = |CE|$   
 $m(\widehat{ADF}) = 35^\circ$   
 ABC Exterior  
 $|BD| = |CE|$   
 $|DE| = |AF|$   
 $x = ?$

- A) 5 B) 10 C) 15 D) 17 E) 20

EŞKENAR ÜÇGEN

90

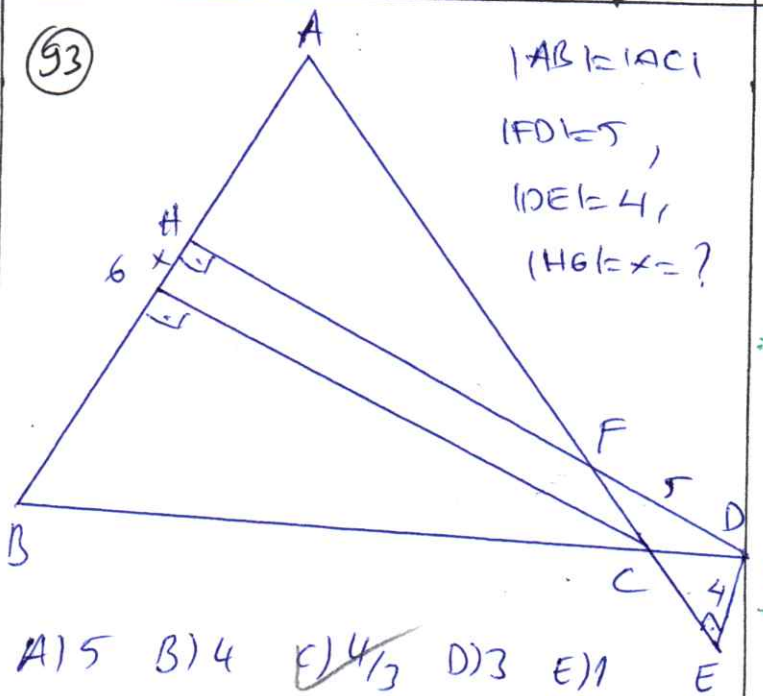


$|AB| = |AC|$   
 $|BE| = |ED| = |BC|$   
 $m(\widehat{BAC}) = 20$   
 $x = ?$

- A) 5 B) 10 C) 20 D) 30 E) 35

ÜÇGENDE AÇI

93



$|AB| = |AC|$   
 $|FD| = 5$ ,  
 $|DE| = 4$ ,  
 $|HG| = x = ?$

- A) 5 B) 4 C) 4/3 D) 3 E) 1

İKİZKENAR ÜÇGEN