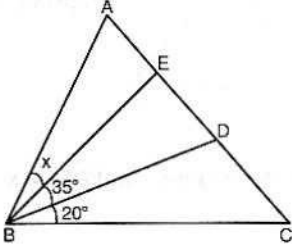


1.

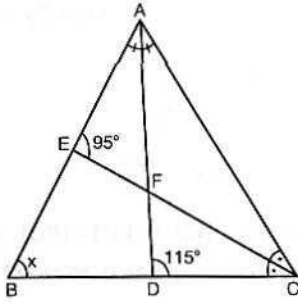


ABC bir üçgen
 $|BE| = |EC|$
 $|AD| = |AB|$
 $m(\widehat{EBD}) = 35^\circ$
 $m(\widehat{DBC}) = 20^\circ$

Yukarıdaki verilere göre, $m(\widehat{ABE}) = x$ kaç derecedir?

- A) 25 B) 30 C) 35 D) 40 E) 45

2.

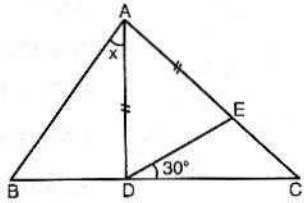


ABC bir üçgen
 $[AD]$ ve $[CE]$
açıortaylar
 $m(\widehat{AEC}) = 95^\circ$
 $m(\widehat{ADC}) = 115^\circ$

Yukarıdaki verilere göre, $m(\widehat{ABC}) = x$ kaç derecedir?

- A) 65 B) 70 C) 75 D) 80 E) 85

3.

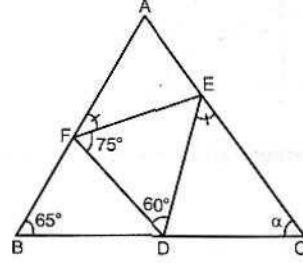


ABC bir üçgen
 $|AB| = |AC|$
 $|AD| = |AE|$
 $m(\widehat{EDC}) = 30^\circ$

Yukarıdaki verilere göre, $m(\widehat{BAD}) = x$ kaç derecedir?

- A) 30 B) 45 C) 50 D) 55 E) 60

4.

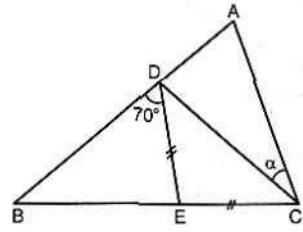


ABC bir üçgen
 $m(\widehat{EFD}) = 75^\circ$
 $m(\widehat{FDE}) = 60^\circ$
 $m(\widehat{ABC}) = 65^\circ$

Yukarıdaki şekilde $m(\widehat{AFE}) = m(\widehat{DEC})$ olduğuna göre, $m(\widehat{ACB}) = \alpha$ kaç derecedir?

- A) 65 B) 70 C) 75 D) 80 E) 85

5.

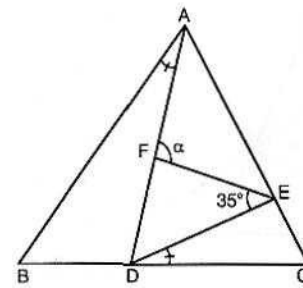


ABC bir üçgen
 $|AB| = |CB|$
 $|DE| = |EC|$
 $m(\widehat{BDE}) = 70^\circ$

Yukarıdaki verilere göre, $m(\widehat{ACD}) = \alpha$ kaç derecedir?

- A) 20 B) 25 C) 30 D) 35 E) 40

6.

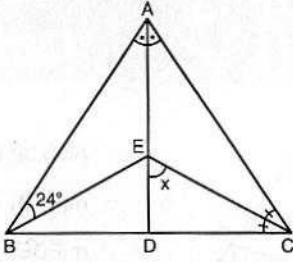


ABC eşkenar üçgen
 $m(\widehat{FED}) = 35^\circ$

Yukarıdaki şekilde $m(\widehat{BAD}) = m(\widehat{EDC})$ olduğuna göre, $m(\widehat{AFE}) = \alpha$ kaç derecedir?

- A) 85 B) 90 C) 95 D) 100 E) 105

7.

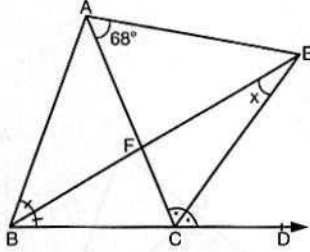


ABC bir üçgen
[AD] ve [CE]
açıortay
 $m(\widehat{ABE}) = 24^\circ$

Yukarıdaki verilere göre, $m(\widehat{DEC}) = x$ kaç derecedir?

- A) 66 B) 68 C) 72 D) 76 E) 78

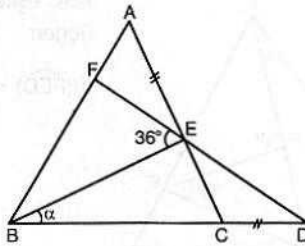
8.



ABC bir üçgen, $m(\widehat{CAE}) = 68^\circ$
 $m(\widehat{ABE}) = m(\widehat{EBD})$, $m(\widehat{ACE}) = m(\widehat{ECD})$
Yukarıdaki verilere göre, $m(\widehat{BEC}) = x$ kaç derecedir?

- A) 16 B) 18 C) 19 D) 21 E) 22

9.

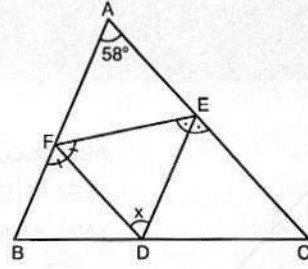


ABC eşkenar
üçgen
B, C, D ve F, E, D
doğrusal
noktalar
 $|AE| = |CD|$
 $m(\widehat{FEB}) = 36^\circ$

Yukarıdaki verilere göre, $m(\widehat{EBD}) = \alpha$ kaç derecedir?

- A) 12 B) 16 C) 18 D) 20 E) 24

10.

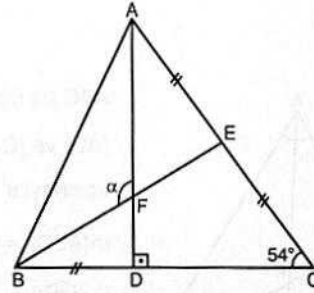


ABC bir üçgen
[FD] ve [ED]
açıortay
 $m(\widehat{BAC}) = 58^\circ$

Yukarıdaki verilere göre, $m(\widehat{FDE}) = x$ kaç derecedir?

- A) 59 B) 61 C) 62 D) 64 E) 66

11.

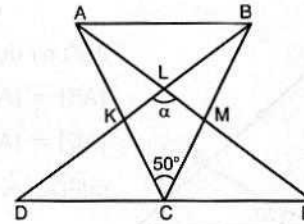


ABC bir üçgen
[AD] \perp [BC]
 $m(\widehat{ACB}) = 54^\circ$

Yukarıdaki şekilde $|AE| = |EC| = |BD|$ olduğuna göre, $m(\widehat{AFB}) = \alpha$ kaç derecedir?

- A) 108 B) 112 C) 117 D) 122 E) 126

12.



ABC bir üçgen
D, C, E
doğrusal
 $|AC| = |CE|$
 $|DC| = |CB|$
 $m(\widehat{ACB}) = 50^\circ$

Yukarıdaki verilere göre, $m(\widehat{DLE}) = \alpha$ kaç derecedir?

- A) 105 B) 110 C) 115 D) 120 E) 125