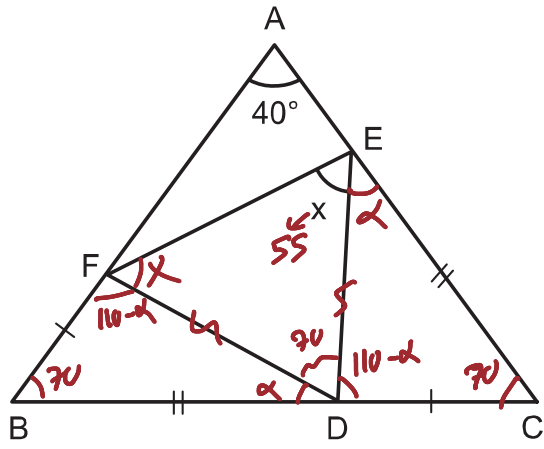


TEST - 7

açılar

1.

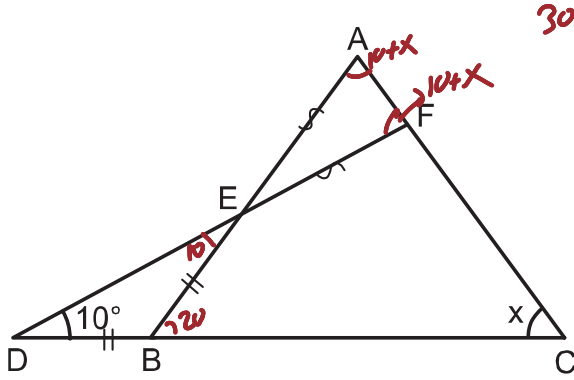


ABC üçgeninde
 $m(\widehat{BAC}) = 40^\circ$
 $|AB| = |AC|$
 $|BF| = |CD|$
 $|BD| = |EC|$

Yukarıda verilenlere göre, $m(\widehat{DEF}) = x$ kaç derecedir?

- A) 80 B) 70 C) 60 D) 55 E) 45

2.

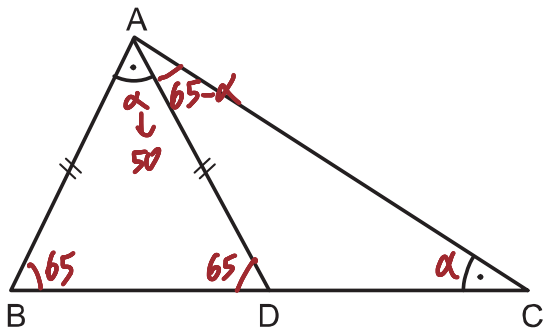


ABC ve DCF üçgen
 $m(\widehat{FDC}) = 10^\circ$
 $|AE| = |EF|$
 $|BD| = |BE|$

Yukarıda verilenlere göre, $m(\widehat{ACD}) = x$ kaç derecedir?

- A) 80 B) 75 C) 70 D) 65 E) 60

3.

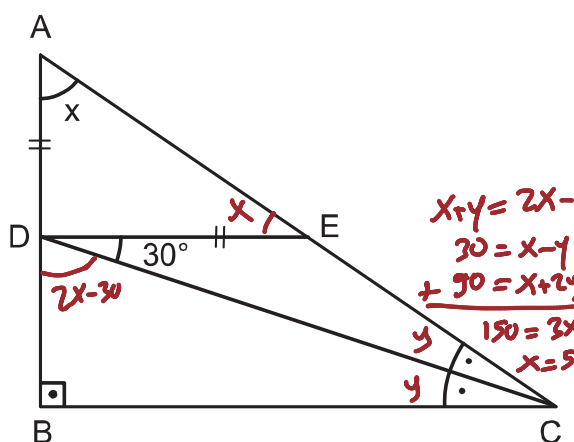


ABC üçgeninde
 $m(\widehat{BAD}) = m(\widehat{ACB})$
 $m(\widehat{BAC}) = 65^\circ$
 $|AB| = |AD|$

Yukarıda verilenlere göre, $m(\widehat{BAD})$ kaç derecedir?

- A) 40 B) 45 C) 50 D) 155 E) 60

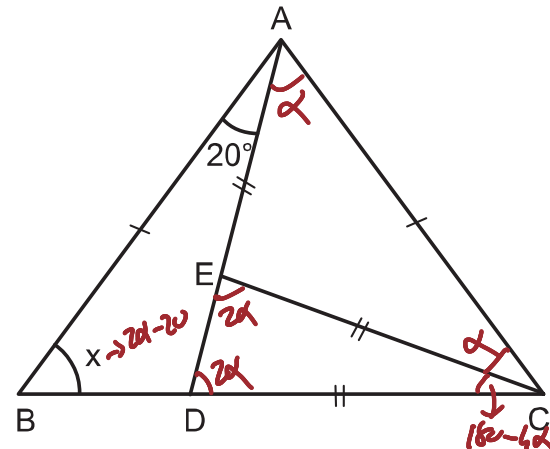
4.



ABC dik üçgen
 CD açıortay
 $m(\widehat{CDE}) = 30^\circ$
 $|AD| = |DE|$
 olduğuna göre,
 $m(\widehat{BAC}) = x$ kaç derecedir?

- A) 70 B) 65 C) 60 D) 55 E) 50

5.

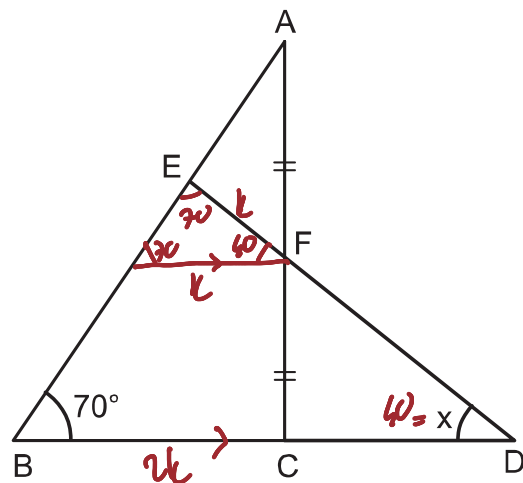


ABC üçgeninde
 $m(\widehat{BAD}) = 20^\circ$
 $|AB| = |AC|$
 $|AE| = |EC| = |DC|$
 $160 - 3x = 2x - 20$
 $2x = 5x$
 $x = 60$

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

- A) 60 B) 55 C) 50 D) 45 E) 40

6.



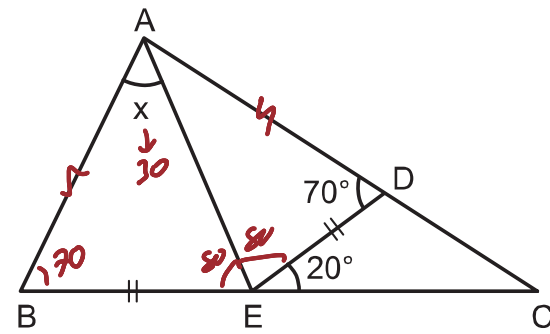
ABC ve EBD üçgen
 $m(\widehat{ABD}) = 70^\circ$
 $|BC| = 2 \cdot |EF|$
 $|AF| = |CF|$

olduğuna göre,
 $m(\widehat{EDB}) = x$ kaç derecedir?

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

karekök

7.

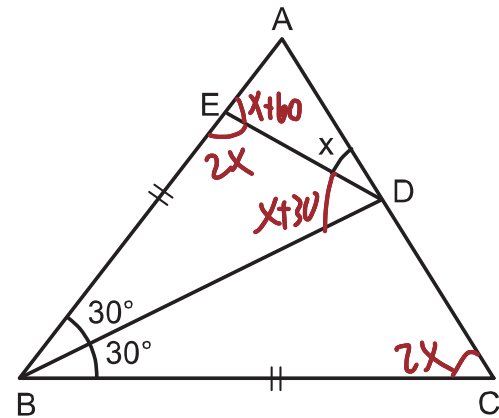


ABC üçgeninde
 $m(\widehat{ADE}) = 70^\circ$
 $m(\widehat{DEC}) = 20^\circ$
 $|AC| = |CD| + |AB|$
 $|BE| = |ED|$

Yukarıda verilenlere göre, $m(\widehat{BAE}) = x$ kaç derecedir?

- A) 30 B) 35 C) 40 D) 45 E) 50

8.



ABC üçgeninde
 $m(\widehat{ACB}) = 2 \cdot m(\widehat{ADE})$
 $|BE| = |BC|$

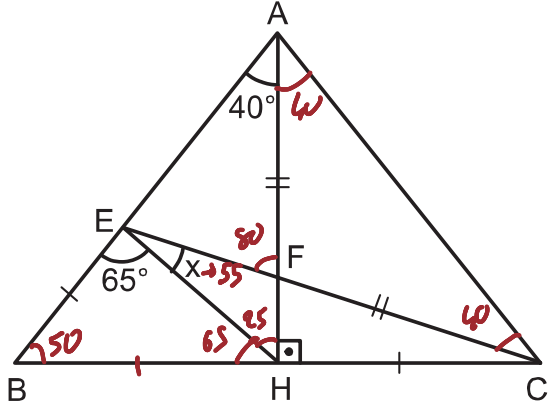
$$3x + 60 = 180$$

$$x = 60$$

$m(\widehat{ABD}) = m(\widehat{DBC}) = 30^\circ$ ise, $m(\widehat{ADE}) = x$ kaç derecedir?

- A) 15 B) 20 C) 30 D) 35 E) 40

9.

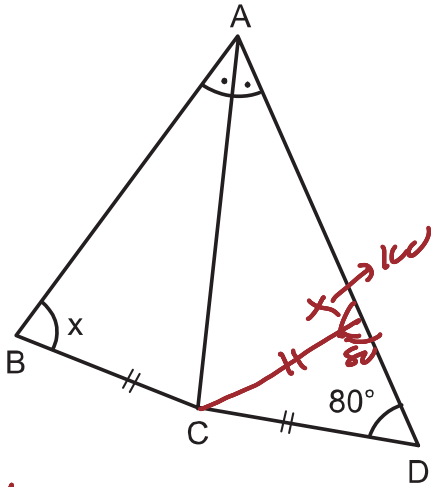


ABC üçgeninde, $AH \perp BC$, $|AF| = |CF|$, $|BE| = |HC|$
 $m(\widehat{BAH}) = 40^\circ$, $m(\widehat{BEH}) = 65^\circ$

olduğuna göre, $m(\widehat{HEC}) = x$ kaç derecedir?

- A) 40 B) 45 C) 50 D) 55 E) 60

10.



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

$$|BC| = |CD|$$

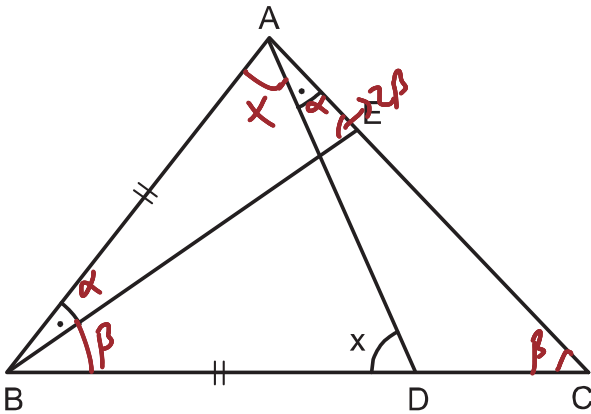
$$|AD| > |AB|$$

$$m(\widehat{ADB}) = 80^\circ$$

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

- A) 100 B) 110 C) 120 D) 130 E) 140

11.



ABC üçgeninde

$$|AB| = |BD|$$

$$|BE| = |EC|$$

$$\alpha + \beta = x$$

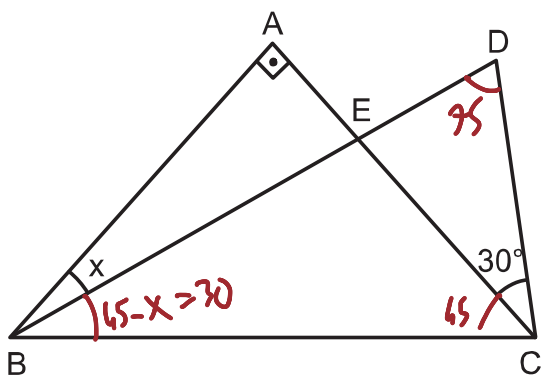
$$3(\alpha + \beta) = 180$$

$$x = 60$$

$m(\widehat{ABE}) = m(\widehat{DAC})$ ise, $m(\widehat{ADB}) = x$ kaç derecedir?

- A) 40 B) 45 C) 50 D) 55 E) 60

12.



ABC dik üçgen

$$|AB| = |AC|$$

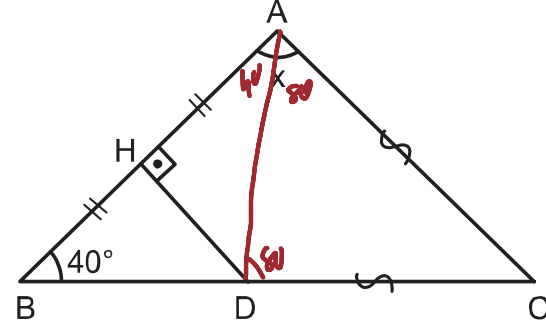
$$|BD| = |BC|$$

$$m(\widehat{ACD}) = 30^\circ$$

Yukarıda verilenlere göre, $m(\widehat{ABD}) = x$ kaç derecedir?

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

13.



ABC üçgeninde

$$DH \perp AB$$

$$m(\widehat{ABC}) = 40^\circ$$

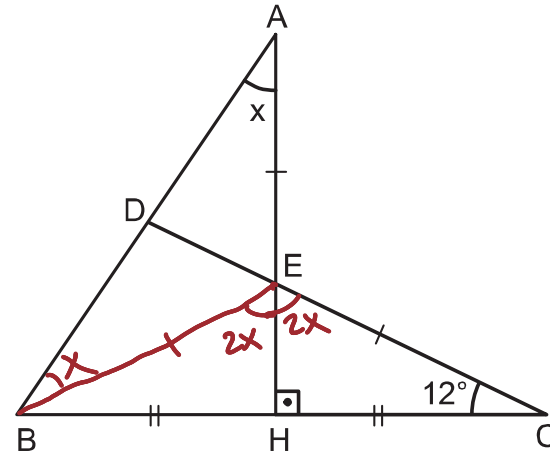
$$|AH| = |BH|$$

$$|AC| = |DC|$$

Yukarıda verilenlere göre, $m(\widehat{BAC}) = x$ kaç derecedir?

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

14.



$$AH \perp BC$$

$$m(\widehat{BCD}) = 12^\circ$$

$$|BH| = |HC|$$

$$|AE| = |EC|$$

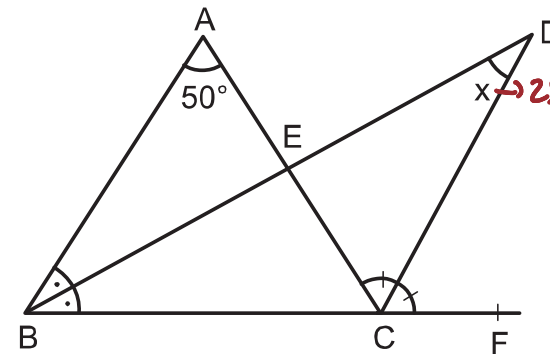
$$x = 39$$

Yukarıda verilenlere göre, $m(\widehat{BAH}) = x$ kaç derecedir?

- A) 39 B) 40 C) 42 D) 44 E) 46

karekök

15.



$$m(\widehat{ABD}) = m(\widehat{DBF})$$

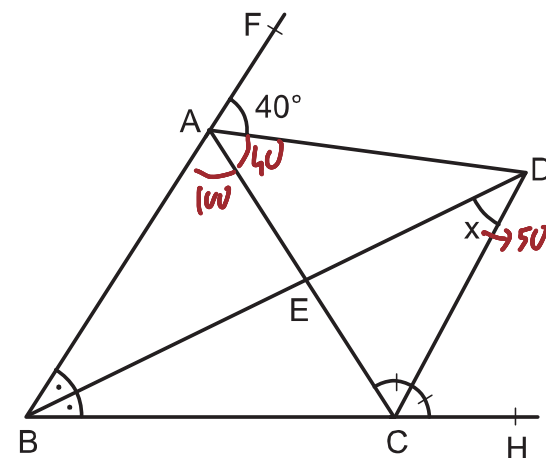
$$m(\widehat{ACD}) = m(\widehat{DCF})$$

$$m(\widehat{BAC}) = 50^\circ$$

Yukarıda verilenlere göre, $m(\widehat{BDC}) = x$ kaç derecedir?

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

16.



ABC üçgeninde

CD dış açıortay

BD iç açıortay

$$m(\widehat{FAD}) = 40^\circ$$

Yukarıda verilenlere göre, $m(\widehat{BDC}) = x$ kaç derecedir?

- A) 30 B) 35 C) 40 D) 45 E) 50