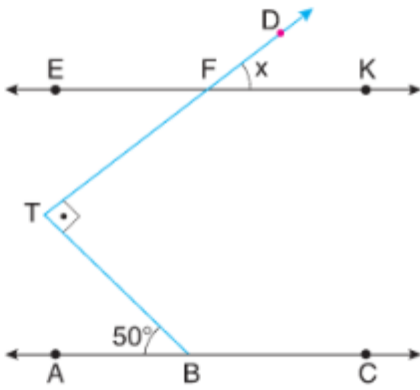


1.

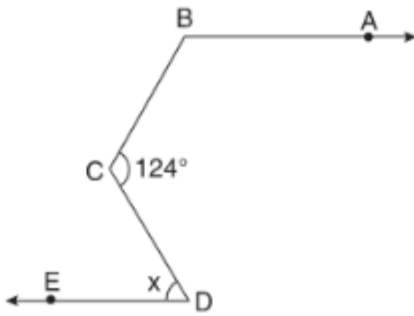


Şekilde,
EK // AC
[TD] ⊥ [TB]
 $m(\widehat{TBA}) = 50^\circ$

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

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

2.

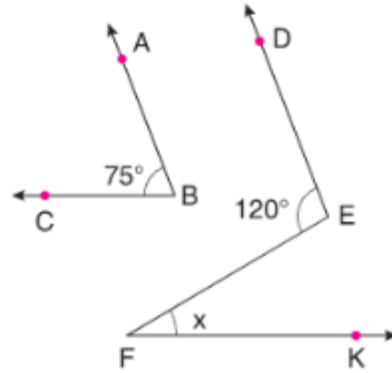


Şekilde
[BA] // [DE]
 $m(\widehat{BCD}) = 124^\circ$

Yukarıdaki şekilde, $\widehat{ABC}$ ile $\widehat{CDE}$ bütünler iki açı ise $m(\widehat{CDE}) = x$ kaç derecedir?

- A) 42 B) 48 C) 60 D) 61 E) 62

3.

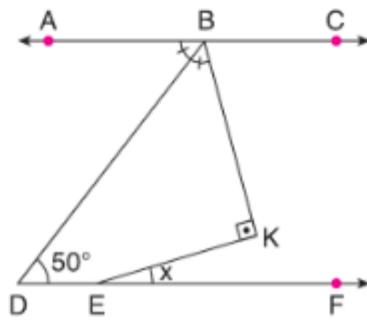


Şekilde
[BA] // [ED]
[BC] // [FE]
 $m(\widehat{ABC}) = 75^\circ$
 $m(\widehat{DEF}) = 120^\circ$

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

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

4.

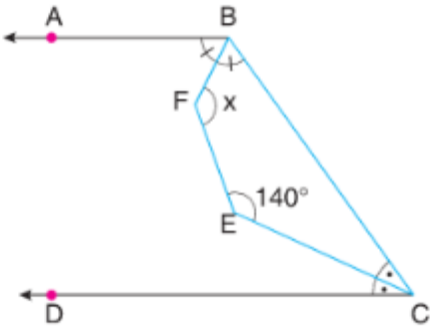


Şekilde,
AC // [DF]
[BK] ⊥ [KE]
 $m(\widehat{BDE}) = 50^\circ$

Yukarıdaki şekilde, $m(\widehat{ABD}) = m(\widehat{DBK})$ ise $m(\widehat{KEF}) = x$ kaç derecedir?

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

5.

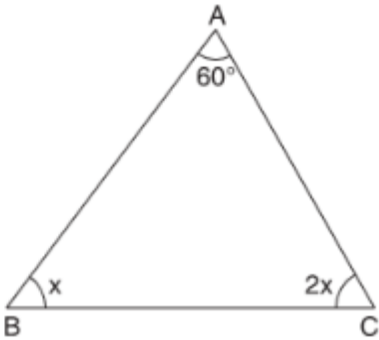


Şekilde,
[BA // [CD
[BF] ve [CE]
açıortaylar
 $m(\widehat{CEF}) = 140^\circ$

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

- A) 145 B) 140 C) 135 D) 130 E) 125

6.

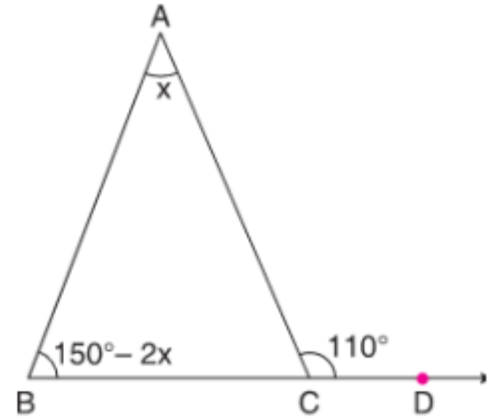


Şekildeki ABC
üçgeninde
 $m(\widehat{ABC}) = x$
 $m(\widehat{ACB}) = 2x$
 $m(\widehat{BAC}) = 60^\circ$

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

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

7.



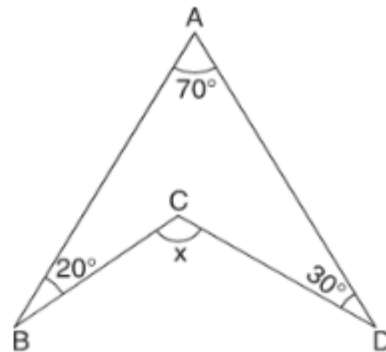
Şekildeki ABC üçgeninde, $m(\widehat{BAC}) = x$

$m(\widehat{ABD}) = 150^\circ - 2x$, $m(\widehat{ACD}) = 110^\circ$

Yukarıdaki verilere göre, x kaç derecedir?

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

8.

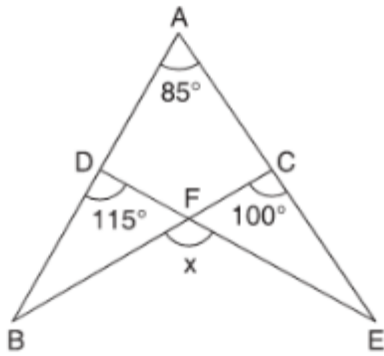


Şekilde
 $m(\widehat{ABC}) = 20^\circ$
 $m(\widehat{ADC}) = 30^\circ$
 $m(\widehat{BAD}) = 70^\circ$

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

- A) 110 B) 120 C) 130 D) 140 E) 150

9.

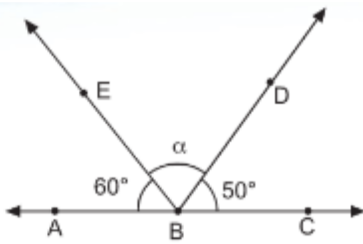


Şekildeki ABC
ve ADE birer üçgen
 $m(\widehat{BAE}) = 85^\circ$
 $m(\widehat{BCE}) = 100^\circ$
 $m(\widehat{BDE}) = 115^\circ$

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

- A) 120 B) 125 C) 130 D) 135 E) 140

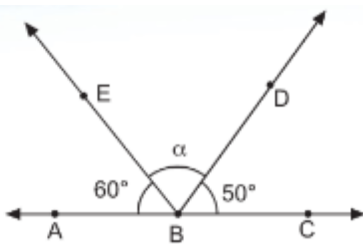
10.



A, B, C noktaları
doğrusal,
 $m(\widehat{ABE}) = 60^\circ$
 $m(\widehat{DBC}) = 50^\circ$ ise
 $m(\widehat{EBD}) = \alpha$
kaç derecedir?

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

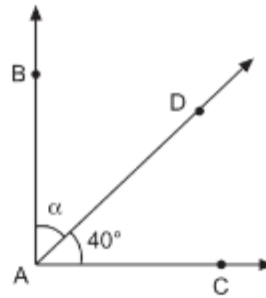
11.



A, B, C noktaları
doğrusal,
 $m(\widehat{ABE}) = 60^\circ$
 $m(\widehat{DBC}) = 50^\circ$ ise
 $m(\widehat{EBD}) = \alpha$
kaç derecedir?

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

12.

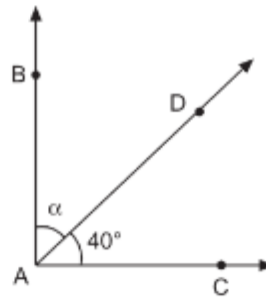


$[AB \perp AC$
 $m(\widehat{DAC}) = 40^\circ$ ise
 $m(\widehat{BAD}) = \alpha$

kaç derecedir?

- A) 50 B) 60 C) 65 D) 70 E) 75

13.

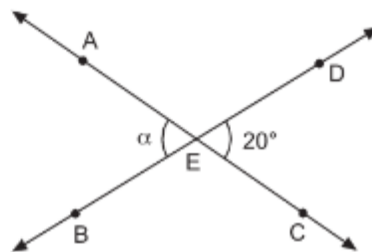


$[AB \perp AC$
 $m(\widehat{DAC}) = 40^\circ$ ise
 $m(\widehat{BAD}) = \alpha$

kaç derecedir?

- A) 50 B) 60 C) 65 D) 70 E) 75

14.

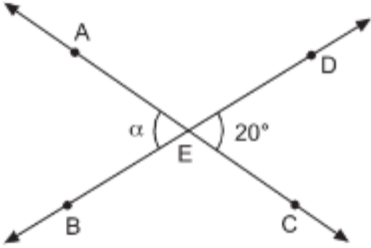


BD ve AC doğruları
E noktasında kesiş-
mektedir.

$m(\widehat{DEC}) = 20^\circ$ ise
 $m(\widehat{AEB}) = \alpha$

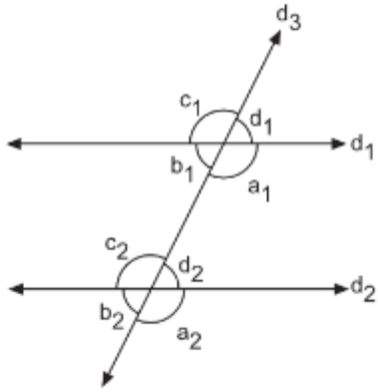
kaç derecedir?

- A) 20 B) 25 C) 30 D) 60 E) 65

15.  BD ve AC doğruları E noktasında kesişmektedir. $m(\widehat{DEC}) = 20^\circ$ ise $m(\widehat{AEB}) = \alpha$ kaç derecedir?
- A) 20 B) 25 C) 30 D) 60 E) 65

16. 32° lik açının bütünler açısının ölçüsü kaç derecedir?
- A) 130 B) 135 C) 140 D) 145 E) 148

17. 18° lik açının tümler açısının ölçüsü kaç derecedir?
- A) 67 B) 72 C) 76 D) 78 E) 84

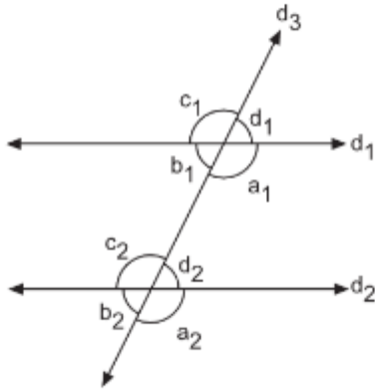
18. 

d_1 ve d_2 doğruları paraleldir.

Buna göre aşağıda verilenlerden hangisi yanlıştır?

- A) b_1 ve b_2 açıları yöndeş açılardır.
 B) b_1 ve d_2 açıları iç ters açılardır.
 C) d_1 ve b_2 açıları dış ters açılardır.
 D) a_1 ve c_2 açıları yöndeş açılardır.
 E) c_1 ve a_2 açıları dış ters açılardır.

19.

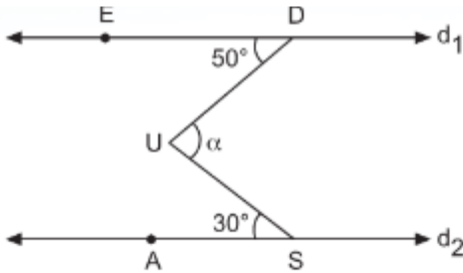


d_1 ve d_2 doğruları paraleldir.

Buna göre aşağıda verilenlerden hangisi yanlıştır?

- A) b_1 ve b_2 açıları yöndeş açılarıdır.
- B) b_1 ve d_2 açıları iç ters açılarıdır.
- C) d_1 ve b_2 açıları dış ters açılarıdır.
- D) a_1 ve c_2 açıları yöndeş açılarıdır.
- E) c_1 ve a_2 açıları dış ters açılarıdır.

20.



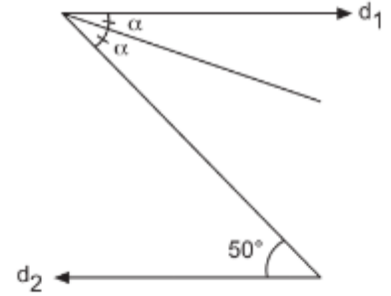
d_1 ve d_2 doğruları paraleldir.

$m(\widehat{EDU}) = 50^\circ$, $m(\widehat{USA}) = 30^\circ$ ise, $m(\widehat{DUS}) = \alpha$

kaç derecedir?

- A) 80
- B) 90
- C) 100
- D) 110
- E) 120

21.

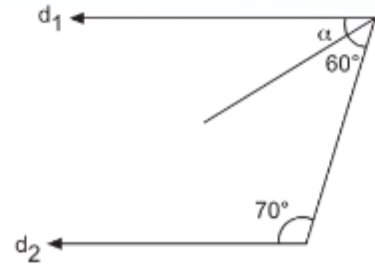


d_1 ve d_2 doğruları paraleldir.

Şekilde verilenlere göre α açısı kaç derecedir?

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

22.

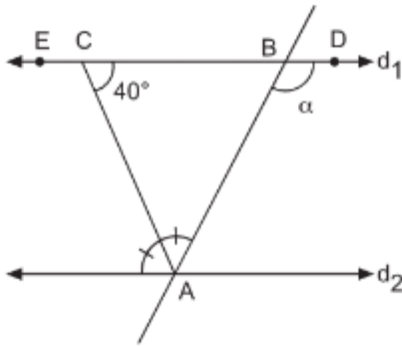


d_1 ve d_2 doğruları paraleldir.

Şekilde verilenlere göre α açısı kaç derecedir?

- A) 40
- B) 50
- C) 60
- D) 70
- E) 80

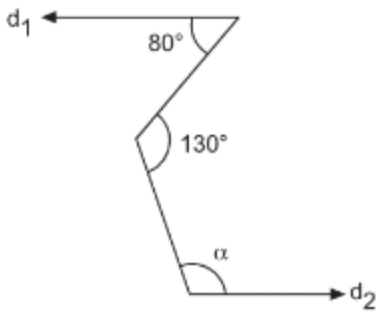
23.



d_1 ve d_2 doğruları paraleldir. $[AC]$ açıortay ve $m(\widehat{ACB}) = 40^\circ$ ise, $m(\widehat{ABD}) = \alpha$ kaç derecedir?

- A) 75 B) 80 C) 85 D) 90 E) 100

24.

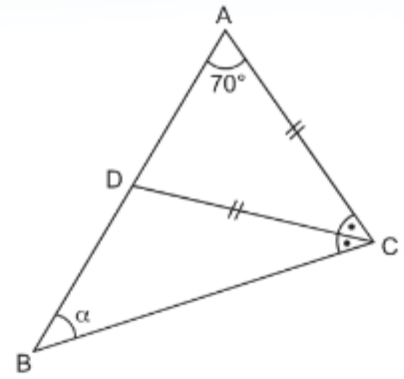


d_1 ve d_2 doğruları paraleldir.

Şekilde verilenlere göre α açısı kaç derecedir?

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

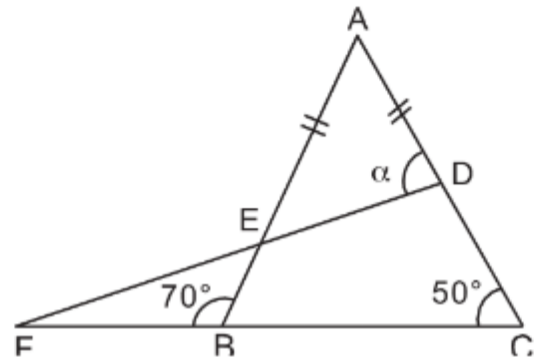
25.



ABC bir üçgen, $m(\widehat{ACD}) = m(\widehat{DCB})$, $m(\widehat{BAC}) = 70^\circ$ $|AC| = |CD|$ ise, $m(\widehat{ABC}) = \alpha$ kaç derecedir?

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

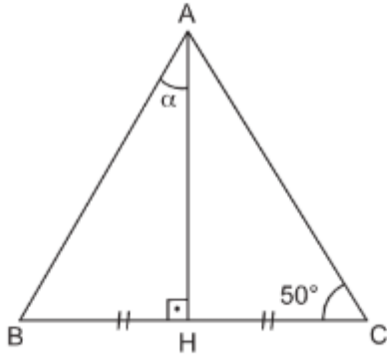
26.



ABC ve FDC bir üçgen, $|AE| = |AD|$, $m(\widehat{ABF}) = 70^\circ$, $m(\widehat{ACB}) = 50^\circ$ ise, $m(\widehat{ADE}) = \alpha$ kaç derecedir?

- A) 60 B) 70 C) 75 D) 80 E) 85

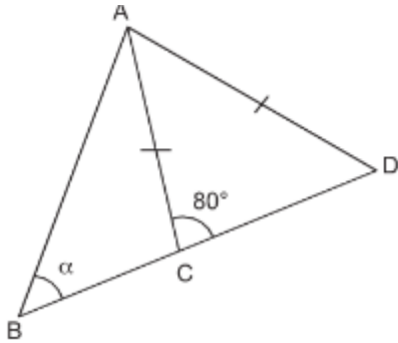
27.



ABC bir üçgen, $[AH] \perp [BC]$, $m(\widehat{ACB}) = 50^\circ$ ise, $m(\widehat{BAH}) = \alpha$ kaç derecedir?

- A) 35 B) 40 C) 45 D) 50 E) 55

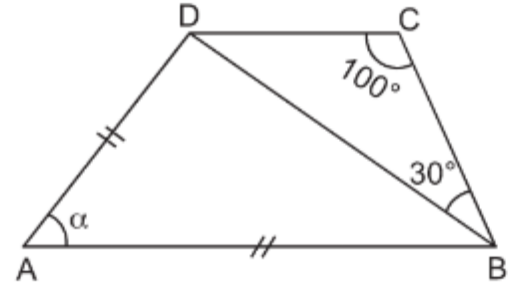
28.



ABD bir üçgen, $|AC| = |AD|$, $|AB| = |BD|$
 $m(\widehat{ACD}) = 80^\circ$ ise, $m(\widehat{ABD}) = \alpha$ kaç derecedir?

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

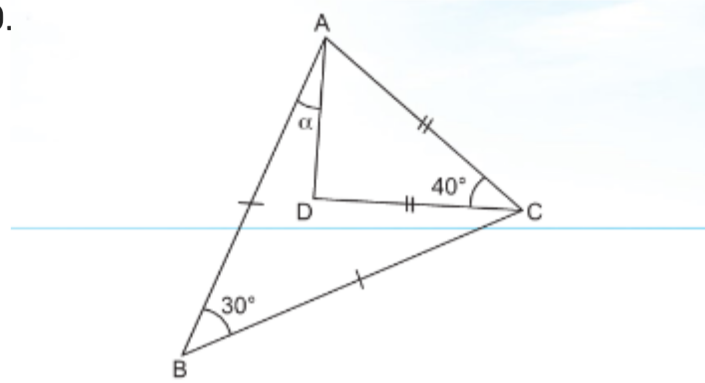
29.



$[AB] \parallel [DC]$, $m(\widehat{DCB}) = 100^\circ$, $m(\widehat{DBC}) = 30^\circ$
 $|AD| = |AB|$ ise $m(\widehat{DAB}) = \alpha$ kaç derecedir?

- A) 60 B) 70 C) 75 D) 80 E) 90

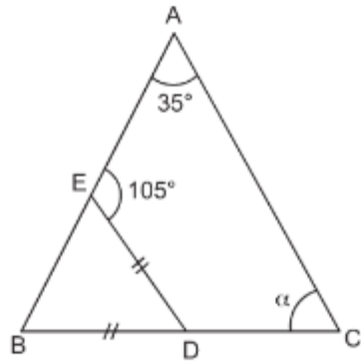
30.



ABC ve ADC, birer üçgen, $|AB| = |BC|$, $|AC| = |CD|$
 $m(\widehat{ABC}) = 30^\circ$, $m(\widehat{ACD}) = 40^\circ$ ise, $m(\widehat{BAD}) = \alpha$ kaç derecedir?

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

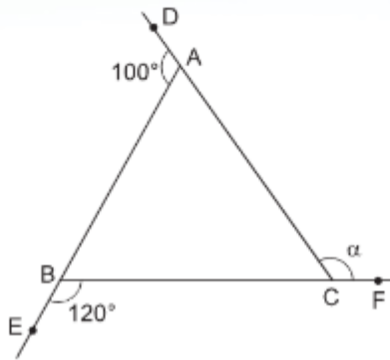
31.



ABC bir üçgen, $|ED| = |BD|$, $m(\widehat{BAC}) = 35^\circ$,
 $m(\widehat{DEA}) = 105^\circ$ ise $m(\widehat{ACB}) = \alpha$ kaç derecedir?

- A) 45 B) 55 C) 60 D) 65 E) 70

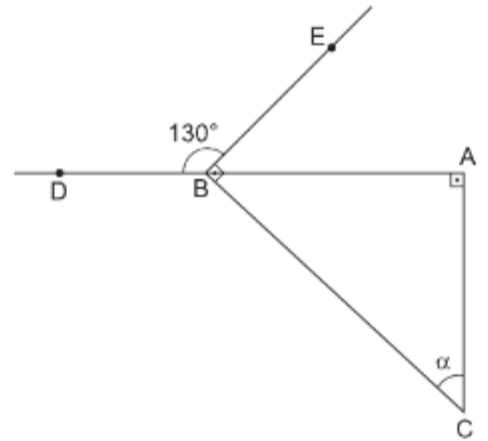
32.



ABC bir üçgen, $m(\widehat{BAD}) = 100^\circ$, $m(\widehat{EBC}) = 120^\circ$
 ise, $m(\widehat{ACF}) = \alpha$ kaç derecedir?

- A) 135 B) 140 C) 150 D) 155 E) 160

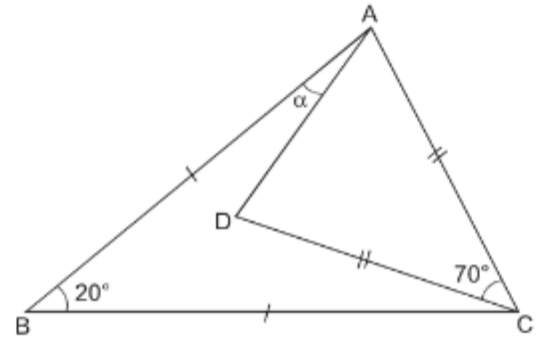
33.



$[BE \perp [BC]$, $[AB] \perp [AC]$, $m(\widehat{DBE}) = 130^\circ$ ise,
 $m(\widehat{ACB}) = \alpha$ kaç derecedir?

- A) 40 B) 50 C) 60 D) 70 E) 80

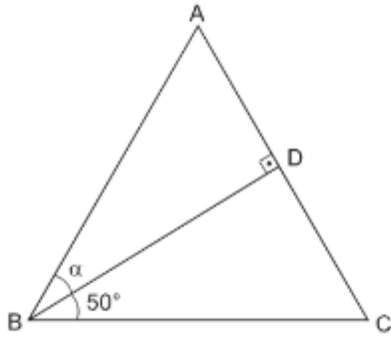
34.



ABC ve ADC birer üçgen, $|AB| = |BC|$, $|AC| = |CD|$,
 $m(\widehat{ABC}) = 20^\circ$, $m(\widehat{ACD}) = 70^\circ$ ise, $m(\widehat{BAD}) = \alpha$
 kaç derecedir?

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

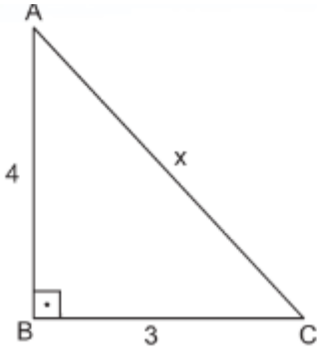
35.



ABC bir üçgen, $BD \perp AC$, $|AB| = |BC|$, $m(\widehat{DBC}) = 50^\circ$ ise, $m(\widehat{ABD}) = \alpha$ kaç derecedir?

- A) 40 B) 50 C) 55 D) 60 E) 65

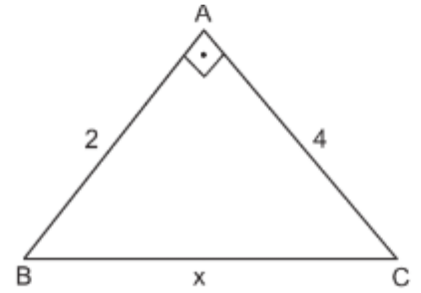
36.



ABC bir dik üçgen, $[AB] \perp [BC]$, $|AB| = 4$ cm, $|BC| = 3$ cm ise, $|AC| = x$ kaç cm dir?

- A) 4 B) 5 C) 6 D) 7 E) 8

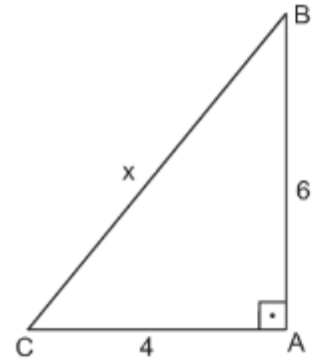
37.



ABC bir dik üçgen, $AB \perp AC$, $|AB| = 2$ cm, $|AC| = 4$ cm ise, $|BC| = x$ kaç cm dir?

- A) $3\sqrt{2}$ B) $\sqrt{19}$ C) $2\sqrt{5}$ D) 5 E) 6

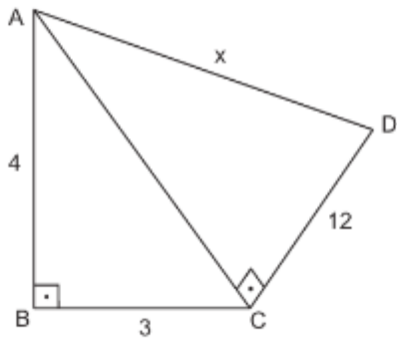
38.



ABC bir dik üçgen, $AB \perp AC$, $|AB| = 6$ cm, $|AC| = 4$ cm ise, $|BC| = x$ kaç cm dir?

- A) 7 B) $5\sqrt{2}$ C) $\sqrt{51}$ D) $2\sqrt{13}$ E) 8

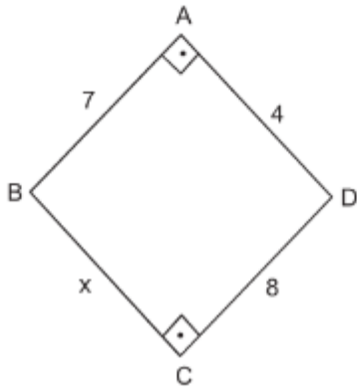
39.



ABC ve ACD, birer dik üçgen, $AB \perp BC$, $AC \perp CD$
 $|AB| = 4$ cm, $|BC| = 3$ cm, $|CD| = 12$ cm ise, $|AD| = x$
 kaç cm dir?

- A) 13 B) 14 C) 15 D) 17 E) 25

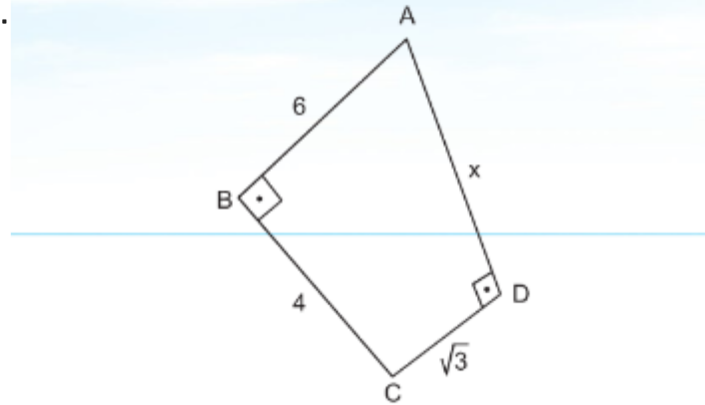
40.



$AB \perp AD$, $BC \perp CD$, $|AB| = 7$ cm, $|AD| = 4$ cm
 $|CD| = 8$ cm ise, $|BC| = x$ kaç cm dir?

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

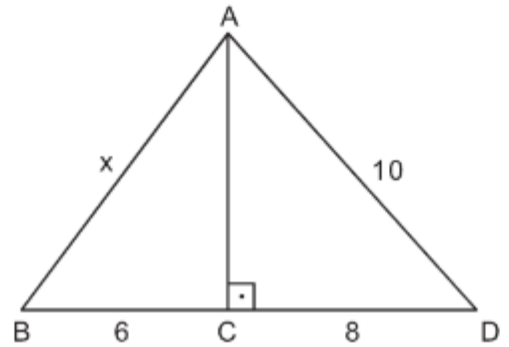
41.



$AB \perp BC$, $AD \perp CD$, $|AB| = 6$ cm, $|BC| = 4$ cm
 $|CD| = \sqrt{3}$ cm ise, $|AD| = x$ kaç cm dir?

- A) 6 B) 7 C) $5\sqrt{2}$ D) 8 E) $6\sqrt{2}$

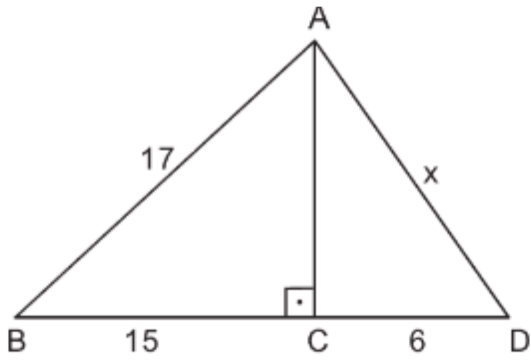
42.



ABD bir üçgen, $AC \perp BD$, $|AD| = 10$ cm, $|CD| = 8$ cm
 $|BC| = 6$ cm ise, $|AB| = x$ kaç cm dir?

- A) 7 B) $5\sqrt{2}$ C) $6\sqrt{2}$ D) $2\sqrt{19}$ E) 8

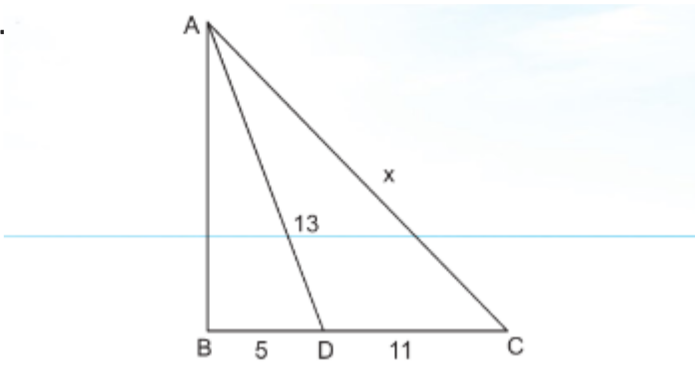
43.



ACB bir dik üçgen, $AC \perp BD$, $|AB| = 17$ cm
 $|BC| = 15$ cm, $|CD| = 6$ cm ise, $|AD| = x$ kaç cm dir?

- A) 7 B) 8 C) 9 D) 10 E) 15

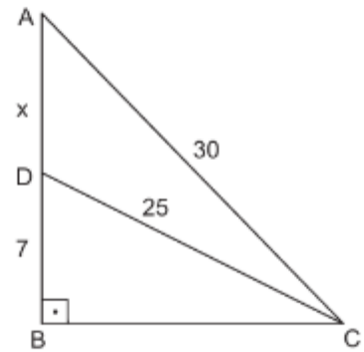
44.



ABC bir dik üçgen, $AB \perp BC$, $|AD| = 13$ cm,
 $|BD| = 5$ cm, $|DC| = 11$ cm ise, $|AC| = x$ kaç cm dir?

- A) 15 B) 17 C) 18 D) 19 E) 20

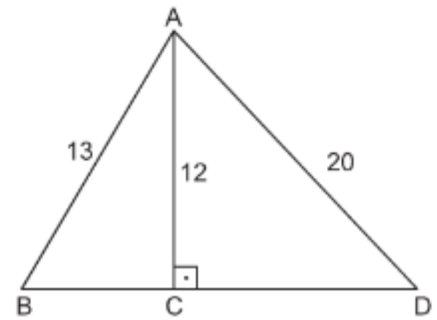
45.



ABC bir dik üçgen, $AB \perp BC$, $|AC| = 30$ cm
 $|DC| = 25$ cm, $|BD| = 7$ cm ise, $|AD| = x$ kaç cm dir?

- A) 8 B) 9 C) 10 D) 11 E) 12

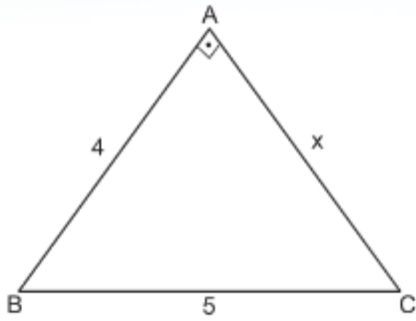
46.



ABD bir üçgen, $AC \perp BD$, $|AB| = 13$ cm
 $|AC| = 12$ cm, $|AD| = 20$ cm ise, $|BD|$ kaç cm dir?

- A) 17 B) 18 C) 20 D) 21 E) 22

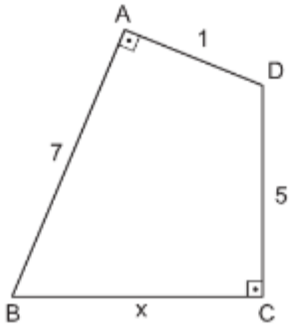
47.



ABC bir dik üçgen, $AB \perp AC$, $|AB| = 4$ cm, $|BC| = 5$ cm ise, $|AC| = x$ kaç derecedir?

- A) 2 B) $2\sqrt{2}$ C) 3 D) $\sqrt{10}$ E) $2\sqrt{3}$

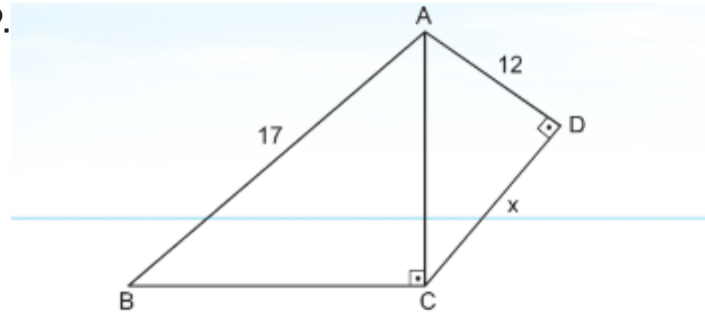
48.



ABCD bir dörtgen, $AB \perp AD$, $BC \perp CD$, $|AB| = 7$ cm, $|AD| = 1$ cm, $|CD| = 5$ cm ise, $|BC| = x$ kaç cm dir?

- A) 3 B) 4 C) 5 D) 6 E) 7

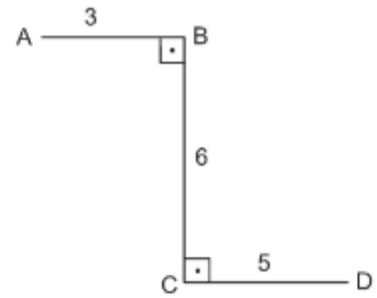
49.



ABC ve ACD birer dik üçgen, $|AB| = 17$ cm, $|BC| = 8$ cm, $|AD| = 12$ cm ise, $|CD| = x$ kaç cm dir?

- A) 8 B) 9 C) 10 D) 11 E) 12

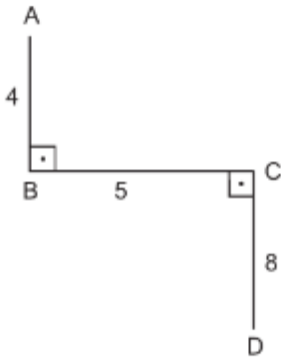
50.



$AB \perp BC$, $BC \perp CD$, $|AB| = 3$ cm, $|BC| = 6$ cm, $|CD| = 5$ cm ise A ile D arasındaki en kısa uzaklık kaç cm dir?

- A) 8 B) 10 C) 11 D) 12 E) 15

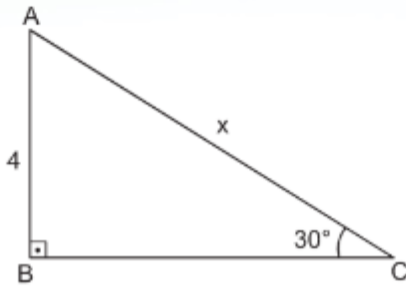
51.



$AB \perp BC$, $BC \perp CD$, $|AB| = 4$ cm, $|BC| = 5$ cm
 $|CD| = 8$ cm ise, **A ile D arasındaki en kısa uzaklık kaç cm dir?**

- A) 9 B) 10 C) 11 D) 12 E) 13

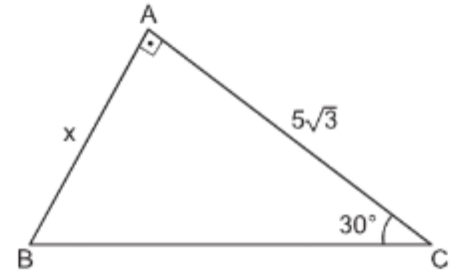
52.



ABC bir dik üçgen, $AB \perp BC$, $m(\widehat{BCA}) = 30^\circ$,
 $|AB| = 4$ cm ise, **$|AC| = x$ kaç cm dir?**

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

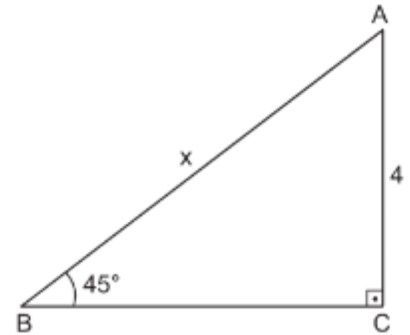
53.



ABC bir dik üçgen, $AB \perp AC$, $m(\widehat{ACB}) = 30^\circ$,
 $|AC| = 5\sqrt{3}$ cm ise, **$|AB| = x$ kaç cm dir?**

- A) 5 B) $5\sqrt{2}$ C) $5\sqrt{3}$ D) 8 E) 10

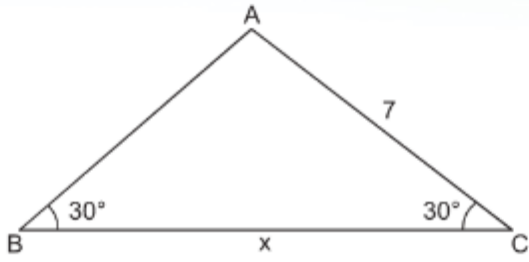
54.



ABC bir dik üçgen, $AC \perp BC$, $m(\widehat{ABC}) = 45^\circ$,
 $|AC| = 4$ cm ise, **$|AB| = x$ kaç cm dir?**

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

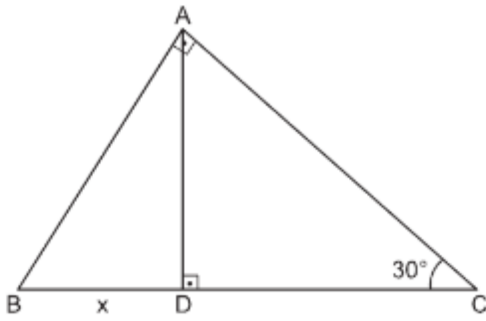
55.



ABC bir üçgen, $m(\widehat{ABC}) = 30^\circ$, $m(\widehat{ACB}) = 30^\circ$, $|AC| = 7$ cm ise, $|BC| = x$ kaç cm dir?

- A) $2\sqrt{15}$ B) 8 C) 9 D) $7\sqrt{3}$ E) $8\sqrt{2}$

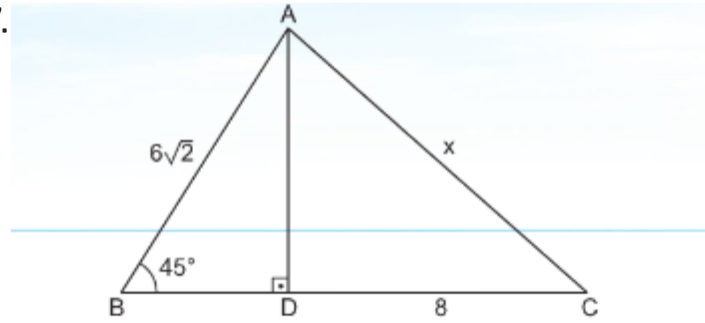
56.



ABC bir dik üçgen, $AB \perp AC$, $AD \perp BC$, $m(\widehat{ACB}) = 30^\circ$, $|BC| = 8$ cm ise, $|BD| = x$ kaç cm dir?

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

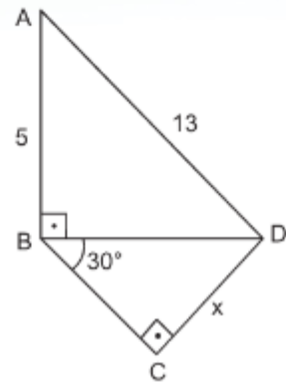
57.



ABC bir üçgen, $AD \perp BC$, $m(\widehat{ABC}) = 45^\circ$, $|AB| = 6\sqrt{2}$ cm, $|DC| = 8$ cm ise, $|AC| = x$ kaç cm dir?

- A) 10 B) 12 C) 13 D) 14 E) 15

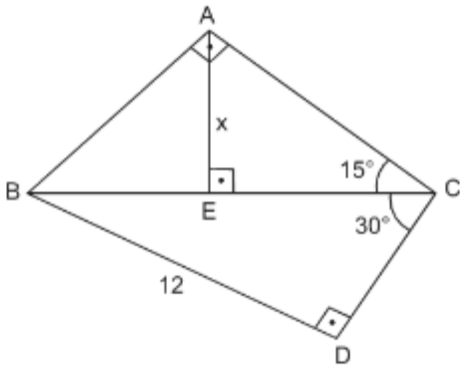
58.



ABD ve BCD birer dik üçgen, $AB \perp BD$, $BC \perp CD$, $m(\widehat{DBC}) = 30^\circ$, $|AD| = 13$ cm, $|AB| = 5$ cm ise $|CD| = x$ kaç cm dir?

- A) 2 B) 3 C) 4 D) 6 E) 8

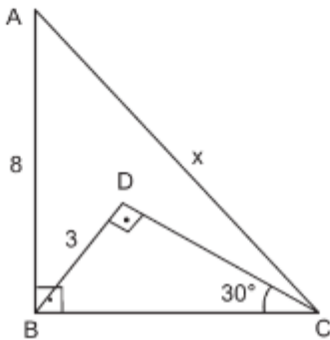
59.



BAC ve BCD birer dik üçgen, $AE \perp BC$, $BD \perp CD$
 $m(\widehat{BCD}) = 30^\circ$, $m(\widehat{ACB}) = 15^\circ$, $|BD| = 12$ cm ise
 $|AE| = x$ kaç cm dir?

- A) 6 B) 7 C) 8 D) 10 E) 12

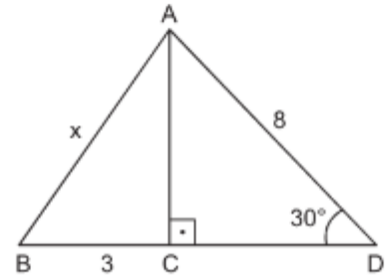
60.



ABC ve BDC birer dik üçgen, $m(\widehat{DCB}) = 30^\circ$
 $|AB| = 8$ cm, $|BD| = 3$ cm ise, $|AC| = x$ kaç cm dir?

- A) 7 B) 8 C) 9 D) 10 E) 13

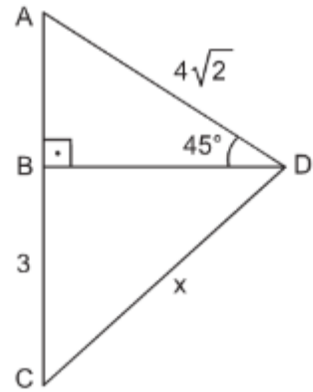
61.



ABD bir üçgen, $AC \perp BD$, $m(\widehat{BDA}) = 30^\circ$
 $|AD| = 8$ cm, $|BC| = 3$ cm ise, $|AB| = x$ kaç cm dir?

- A) 5 B) 6 C) 7 D) $6\sqrt{2}$ E) 8

62.



ACD bir üçgen, $BD \perp AC$, $m(\widehat{BDA}) = 45^\circ$
 $|AD| = 4\sqrt{2}$ cm, $|BC| = 3$ cm ise, $|CD| = x$
 kaç cm dir?

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

Cevap Anahtarı

1. D	31. E	62. B
2. E	32. B	
3. B	33. B	
4. B	34. E	
5. D	35. B	
6. C	36. B	
7. A	37. C	
8. B	38. D	
9. C	39. A	
10. B	40. A	
11. B	41. B	
12. A	42. C	
13. A	43. D	
14. A	44. E	
15. A	45. D	
16. E	46. D	
17. B	47. C	
18. D	48. C	
19. D	49. B	
20. A	50. B	
21. A	51. E	
22. B	52. B	
23. B	53. A	
24. D	54. C	
25. C	55. D	
26. D	56. D	
27. B	57. A	
28. C	58. D	
29. D	59. A	
30. A	60. D	
	61. A	