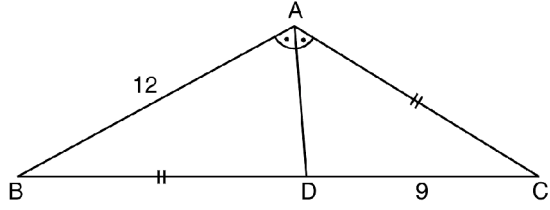


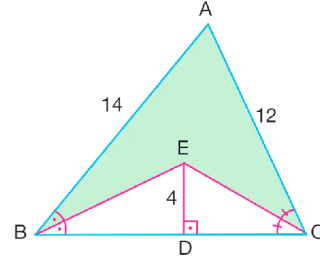
1



ABC üçgen, [AD] açıortay, $|AB| = 12$ cm, $|DC| = 9$ cm olduğuna göre, $|AC| = |BD|$ kaç cm dir?

- A) $4\sqrt{3}$ B) 8 C) 10 D) $6\sqrt{3}$ E) 12

4

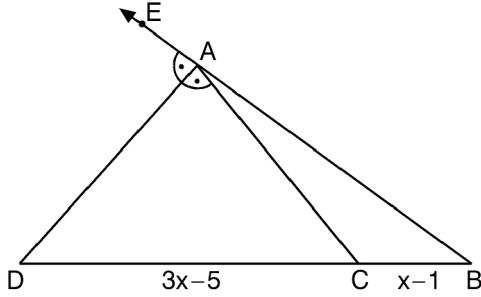


[BE] ve [CE]
iç açıortay
[ED] $\perp$ [BC]
 $|AB| = 14$ cm
 $|AC| = 12$ cm
 $|ED| = 4$ cm

Yukarıdaki verilere göre, A(BACE) kaç cm^2 dir?

- A) 42 B) 46 C) 48 D) 50 E) 52

2



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $\frac{|AB|}{|AC|} = \frac{5}{3}$, $|BC| = (x-1)$ cm, $|DC| = (3x-5)$ cm

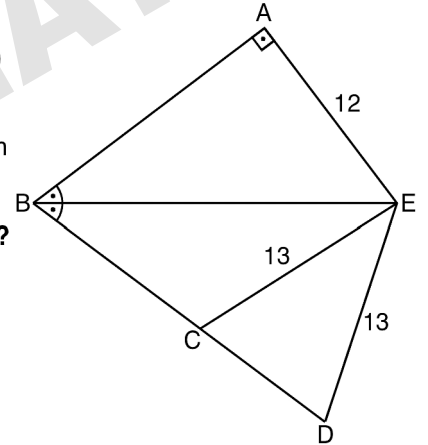
olduğuna göre, x kaçtır?

- A) $\frac{7}{3}$ B) 3 C) $\frac{10}{3}$ D) 4 E) $\frac{14}{3}$

5

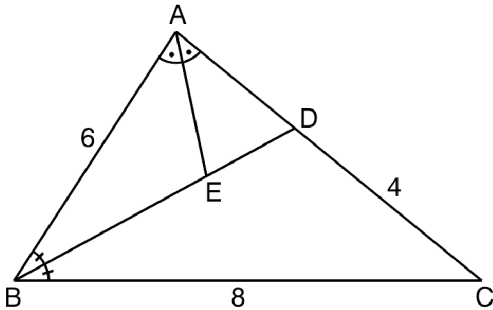
$[AB] \perp [AE]$
 $m(\widehat{ABE}) = m(\widehat{DBE})$
 $|AE| = 12$ cm
 $|EC| = |ED| = 13$ cm

olduğuna göre, $|CD|$ kaç cm dir?



- A) 8 B) 10 C) 12 D) 13 E) 15

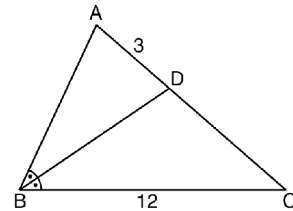
3



$m(\widehat{ABD}) = m(\widehat{CBD})$, $m(\widehat{BAE}) = m(\widehat{CAE})$, $|AB| = 6$ cm
 $|DC| = 4$ cm, $|BC| = 8$ cm olduğuna göre, $|BE|$ kaç cm dir?

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

6



ABC üçgen, [BD] açıortay, $|AD| = 3$ cm, $|BC| = 12$ cm olduğuna göre, $|AB| \cdot |DC|$ çarpımı kaç cm^2 dir?

- A) 18 B) 24 C) 27 D) 30 E) 36

7

 $[AB] \perp [AD]$

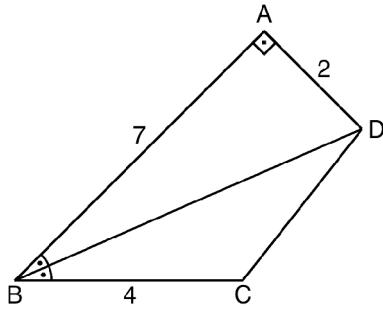
$$m(\widehat{ABD}) = m(\widehat{CBD})$$

$$|AB| = 7 \text{ cm}$$

$$|AD| = 2 \text{ cm}$$

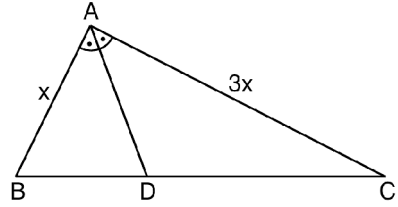
$$|BC| = 4 \text{ cm}$$

olduğuna göre,

 $|DC|$ kaç cm dir?

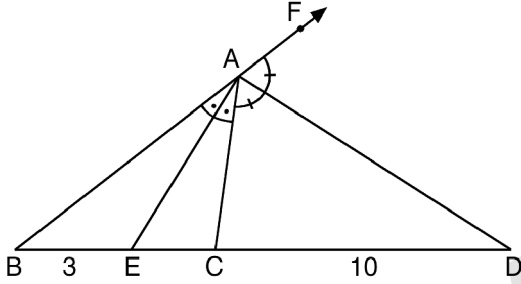
- A) 3 B) $2\sqrt{3}$ C) $\sqrt{13}$ D) 4 E) $\sqrt{15}$

10

 $[AD]$ açıortay, $|AB| = x \text{ cm}$, $|AC| = 3x \text{ cm}$ $|DC| = |BD| + 5$ olduğuna göre, $|BC|$ kaç cm dir?

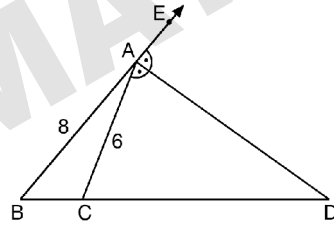
- A) 5 B) 7 C) 8 D) 10 E) 12

8

ABD, üçgen, B, A, F doğrusal, $m(\widehat{BAE}) = m(\widehat{EAC})$ $m(\widehat{DAC}) = m(\widehat{DAF})$ $|BE| = 3 \text{ cm}$, $|DC| = 10 \text{ cm}$ olduğuna göre, $|EC|$ kaç cm dir?

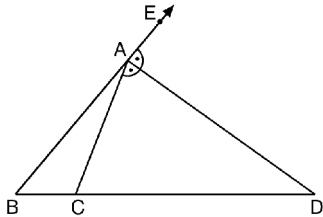
- A) 1 B) $\frac{3}{2}$ C) 2 D) $\frac{5}{2}$ E) 3

11

ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$ $|AB| = 8 \text{ cm}$, $|AC| = 6 \text{ cm}$, $|CD| = 2|BC| + 3$ olduğuna göre, $|BD|$ kaç cm dir?

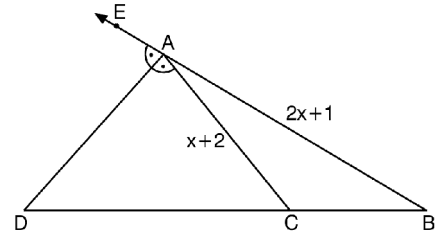
- A) 15 B) 14 C) 12 D) 10 E) 8

9

ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$ $|BD| \cdot |CD| = 84 \text{ cm}^2$, $|AB| \cdot |AC| = 40 \text{ cm}^2$ olduğuna göre, $|AD|$ kaç cm dir?

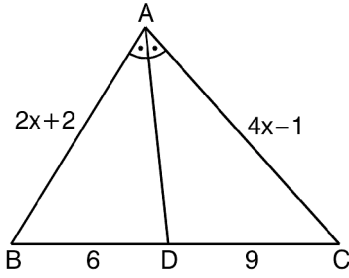
- A) $2\sqrt{10}$ B) $2\sqrt{11}$ C) $3\sqrt{5}$ D) $5\sqrt{2}$ E) $2\sqrt{15}$

12

ABD üçgen, D, A, E doğrusal, $m(\widehat{DAC}) = m(\widehat{DAE})$ $|DC| = 2|BC|$, $|AC| = (x+2) \text{ cm}$, $|AD| = (2x+1) \text{ cm}$ olduğuna göre, x kaçtır?

- A) 2 B) 3 C) 4 D) 5 E) 6

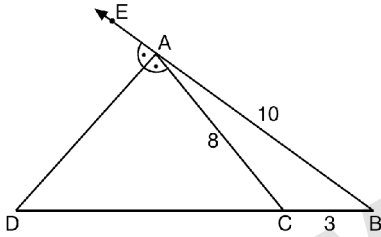
13



[AD] açıortay, $|BD| = 6$ cm, $|DC| = 9$ cm
 $|AB| = (2x+2)$ cm, $|AC| = (4x-1)$ cm olduğuna göre,
ABC üçgeninin çevresi kaç cm dir?

- A) 40 B) 38 C) 36 D) 34 E) 32

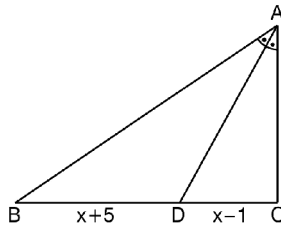
14



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $|AB| = 10$ cm, $|AC| = 8$ cm, $|BC| = 3$ cm
olduğuna göre, $|DC|$ kaç cm dir?

- A) 8 B) 9 C) 10 D) 12 E) 15

15

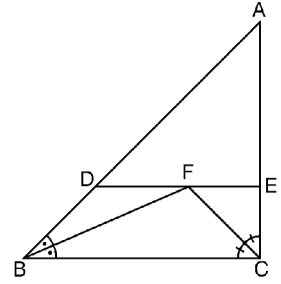


ABC üçgen, [AD] açıortay, $\frac{|AB|}{|AC|} = \frac{5}{3}$, $|BD| = (x+5)$ cm
 $|DC| = (x-1)$ cm olduğuna göre, **$|BC|$ kaç cm dir?**

- A) 16 B) 18 C) 20 D) 22 E) 24

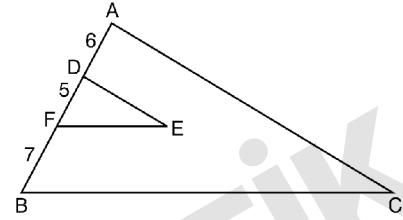
16

ABC üçgen
 [BF] ve [CF] açıortay
 [DE] // [BC]
 $|AB| = 12$ cm
 $|AC| = 10$ cm
olduğuna göre,
ADE üçgenin
çevresi kaç cm dir?



- A) 20 B) 22 C) 24 D) 25 E) 27

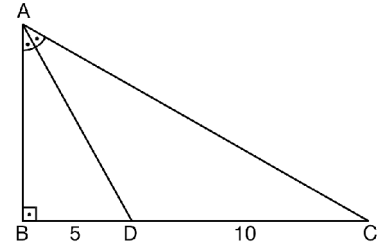
17



E noktası ABC üçgeninin iç teğet çemberinin merkezi
 $|AC| // |DE|$, $|BC| // |FE|$, $|AD| = 6$ cm, $|DF| = 5$ cm
 $|BF| = 7$ cm olduğuna göre, **Çevre(DEF) kaç cm dir?**

- A) 11 B) 13 C) 15 D) 18 E) 20

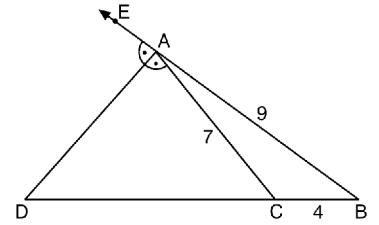
18



[AD] açıortay, $|AB| \perp |BC|$, $|BD| = 5$ cm, $|DC| = 10$ cm
olduğuna göre, $|AD|$ kaç cm dir?

- A) 6 B) $3\sqrt{3}$ C) $4\sqrt{3}$ D) $5\sqrt{3}$ E) 10

19



ABD üçgen, B, A, E doğrusal, $m(\widehat{DAC}) = m(\widehat{DAE})$
 $|AB| = 9$ cm, $|AC| = 7$ cm, $|BC| = 4$ cm
olduğuna göre, $|AD|$ kaç cm dir?

- A) $3\sqrt{7}$ B) $6\sqrt{2}$ C) $4\sqrt{5}$ D) $2\sqrt{21}$ E) $3\sqrt{21}$

20

$$[AC] \cap [BD] = \{E\}$$

$$[AC] \perp [BC]$$

$$m(\widehat{DAC}) = 45^\circ$$

$$|AC| = |BC|$$

$$|BE| = 2|DE|$$

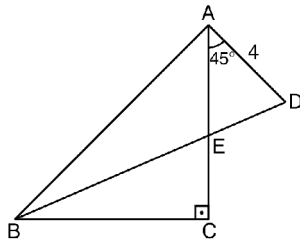
$$|AD| = 4 \text{ cm}$$

olduğuna göre,

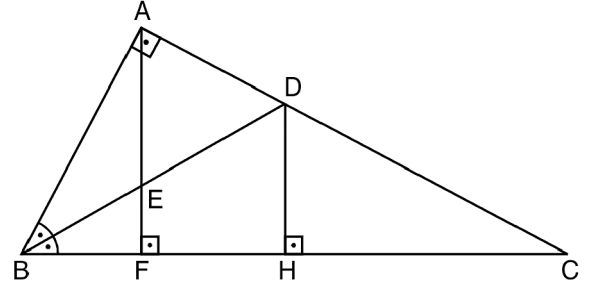
 $|AC|$ kaç cm dir?

- A) 4 B) $2\sqrt{5}$ C) $4\sqrt{2}$ D) 6 E) $2\sqrt{10}$

A



23



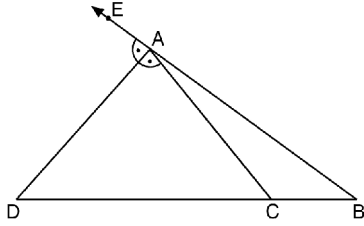
$$[AB] \perp [AC], [AF] \perp [BC], [DH] \perp [BC]$$

$$m(\widehat{ABD}) = m(\widehat{CBD}), |AE| = (x+1) \text{ cm}$$

$$|AD| = (2x-3) \text{ cm} \text{ olduğuna göre, } |AD| \text{ kaç cm dir?}$$

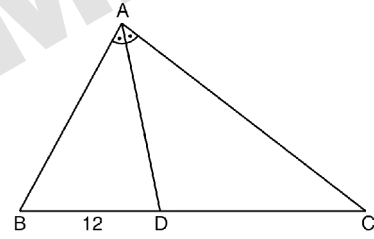
- A) 5 B) $\frac{9}{2}$ C) 4 D) $\frac{7}{2}$ E) 3

21

ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$ 5|AB| = 7|AC| olduğuna göre, $\frac{|BC|}{|DC|}$ oranı kaçtır?

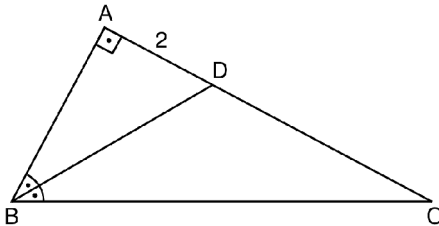
- A) $\frac{1}{5}$ B) $\frac{2}{7}$ C) $\frac{2}{5}$ D) $\frac{3}{5}$ E) $\frac{5}{7}$

24

ABC üçgen, $[AD]$ açıortay, $|AC| = \frac{3}{2} |AB|$ $|BD| = 12 \text{ cm}$ olduğuna göre, $|DC|$ kaç cm dir?

- A) 8 B) 12 C) 15 D) 16 E) 18

22

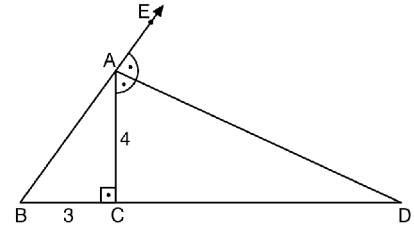


$$[AB] \perp [AD], m(\widehat{ABD}) = m(\widehat{CBD}), |BC| = |AB| + 5$$

$$|AD| = 2 \text{ cm} \text{ olduğuna göre, } |DC| \text{ kaç cm dir?}$$

- A) 3 B) 4 C) $2\sqrt{5}$ D) $\sqrt{29}$ E) $\sqrt{34}$

25

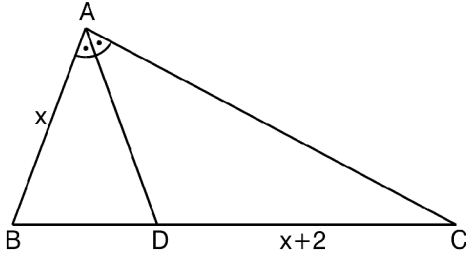
B, A, E doğrusal, $[AC] \perp [BD]$, $m(\widehat{CAD}) = m(\widehat{DAE})$

$$|AC| = 4 \text{ cm}, |BC| = 3 \text{ cm} \text{ olduğuna göre,}$$

$$|CD| \text{ kaç cm dir?}$$

- A) 6 B) 8 C) 9 D) 10 E) 12

26

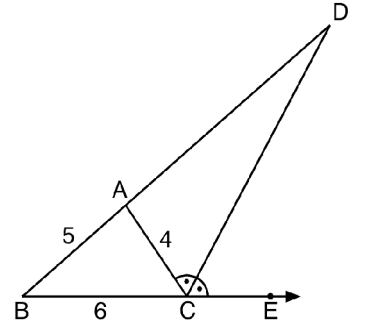


ABC üçgen, [AD] açıortay, $|AB| = x$ cm
 $|DC| = (x+2)$ cm, $|BD| \cdot |AC| = 63$ cm²
olduğuna göre, x kaçtır?

- A) 7 B) 8 C) 9 D) 10 E) 11

29

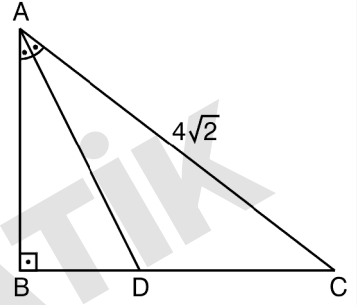
BCD üçgen
 B, C, E doğrusal,
 [DC] açıortay
 $|AB| = 5$ cm
 $|AC| = 4$ cm
 $|BC| = 6$ cm
olduğuna göre,
|AD| kaç cm dir?



- A) 16 B) 15 C) 14 D) 12 E) 10

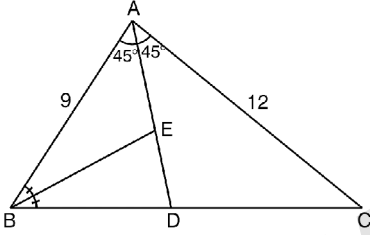
30

[AD] açıortay
 $|AB| \perp |BC|$
 $|DC| = \sqrt{2} |BD|$
 $|AC| = 4\sqrt{2}$ cm
olduğuna göre,
|BD| kaç cm dir?



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

27

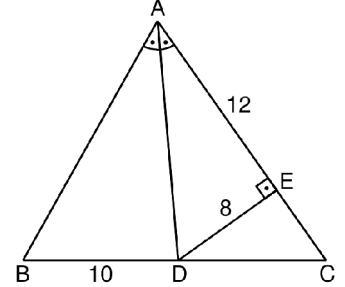


$m(\widehat{ABE}) = m(\widehat{CBE})$, $m(\widehat{BAD}) = m(\widehat{CAD}) = 45^\circ$, $|AB| = 9$ cm
 $|AC| = 12$ cm **olduğuna göre,** $\frac{|AE|}{|ED|}$ **oranı kaçtır?**

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

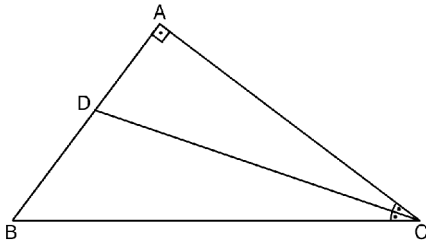
31

ABC üçgen
 $[DE] \perp [AC]$
 $m(\widehat{BAD}) = m(\widehat{DAC})$
 $|AE| = 12$ cm
 $|DE| = 8$ cm
 $|BD| = 10$ cm
olduğuna göre,
|AB| kaç cm dir?



- A) 18 B) 20 C) 22 D) 24 E) 25

28

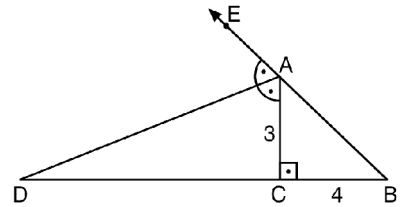


[CD] açıortay, $|AB| \perp |AC|$, $|BD| = \sqrt{2} |AD|$
olduğuna göre, $m(\widehat{BDC})$ kaç derecedir?

- A) 150 B) 145 C) 135 D) 120 E) 112,5

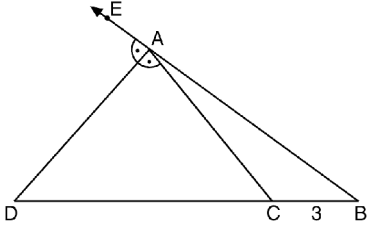
32

B, A, E doğrusal, $|AC| \perp |BD|$, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $|AC| = 3$ cm, $|BC| = 4$ cm **olduğuna göre,**
|AD| kaç cm dir?



- A) $3\sqrt{5}$ B) $5\sqrt{2}$ C) $2\sqrt{15}$ D) $4\sqrt{5}$ E) $3\sqrt{10}$

33

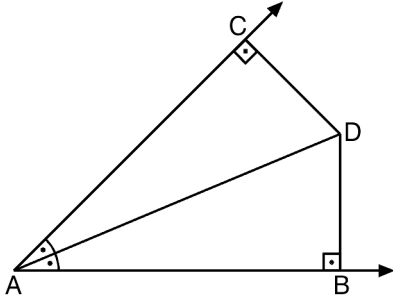


ABD üçgen, B, A, E doğrusal, $m(\widehat{DAC}) = m(\widehat{DAE})$
 $5|AB| = 6|AC|$, $|BC| = 3$ cm olduğuna göre,
 $|DC|$ kaç cm dir?

- A) 8 B) 9 C) 10 D) 12 E) 15

34

$[DC] \perp [AC]$
 $[DB] \perp [AB]$
 $m(\widehat{DAB}) = m(\widehat{DAC})$
 olduğuna göre,
 şekilde
 verilene göre,
 aşağıdakilerden

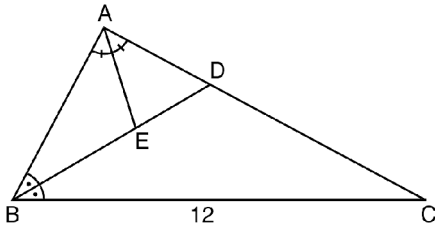


hangisi veya hangileri doğrudur?

- I. $|DC| = |DB|$
 II. $|AC| = |AB|$
 III. $m(\widehat{ADC}) = m(\widehat{ADB})$

- A) Yalnız I B) I, II C) I, III D) II, III E) I, II, III

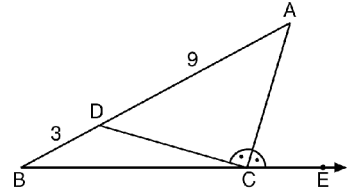
35



$m(\widehat{BAE}) = m(\widehat{CAE})$, $m(\widehat{ABD}) = m(\widehat{CBD})$, $|BD| = 3|ED|$
 $|BC| = 12$ cm olduğuna göre, $|DC|$ kaç cm dir?

- A) 3 B) 4 C) 5 D) 6 E) 8

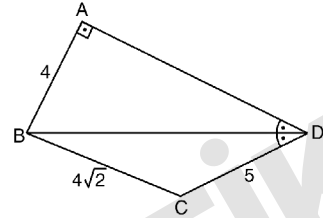
36



ABC üçgen, B, C, E doğrusal, $m(\widehat{ACD}) = m(\widehat{ACE})$
 $|AD| = 9$ cm, $|BD| = 3$ cm olduğuna göre, $\frac{|DC|}{|BC|}$
 oranı kaçtır?

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

37



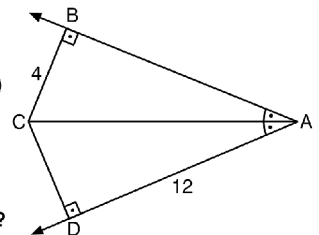
$[AB] \perp [AD]$, $m(\widehat{ADB}) = m(\widehat{CDB})$, $|AD| > |CD|$
 $|BC| = 4\sqrt{2}$ cm, $|AB| = 4$ cm, $|DC| = 5$ cm
 olduğuna göre, $|AD|$ kaç cm dir?

- A) 8 B) 9 C) 10 D) 12 E) 15

38

$[CB] \perp [AB]$
 $[CD] \perp [AD]$
 $m(\widehat{BAC}) = m(\widehat{DAC})$
 $|BC| = 4$ cm
 $|AD| = 12$ cm

olduğuna göre,
 $|AC|$ kaç cm dir?



- A) $2\sqrt{10}$ B) $3\sqrt{5}$ C) $4\sqrt{5}$ D) $4\sqrt{10}$ E) $6\sqrt{5}$

39

[AD] açıortay

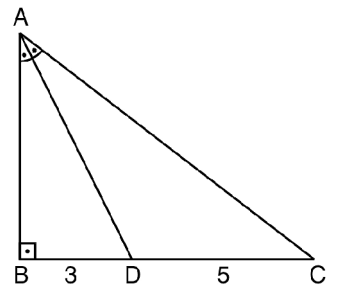
$[AB] \perp [BC]$

$|BD| = 3$ cm

$|DC| = 5$ cm

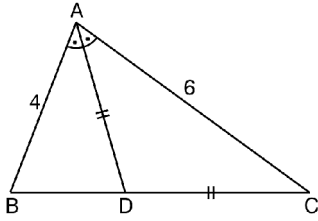
olduğuna göre,

$|AC|$ kaç cm dir?



- A) 10 B) 12 C) 13 D) 15 E) 18

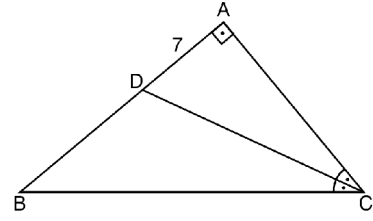
40



[AD] açıortay, $|AD| = |DC|$, $|AB| = 4$ cm, $|AC| = 6$ cm olduğuna göre, $|BC|$ kaç cm dir?

- A) $4\sqrt{2}$ B) 6 C) $2\sqrt{10}$ D) $3\sqrt{5}$ E) $2\sqrt{13}$

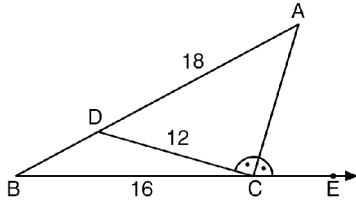
43



$[AB] \perp [AC]$, $m(\widehat{ACD}) = m(\widehat{BCD})$, $|AD| = 7$ cm olduğuna göre, D noktasının $[BC]$ ye uzaklığı kaç cm dir?

- A) 5 B) 6 C) 7 D) 8 E) 9

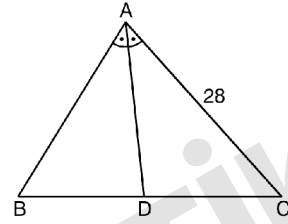
41



ABC üçgen, B, C, E doğrusal, $m(\widehat{ACD}) = m(\widehat{ACE})$
 $|BC| = 16$ cm, $|DC| = 12$ cm, $|AD| = 18$ cm olduğuna göre, $|AC|$ kaç cm dir?

- A) $2\sqrt{42}$ B) $6\sqrt{5}$ C) $10\sqrt{2}$ D) $4\sqrt{15}$ E) $5\sqrt{15}$

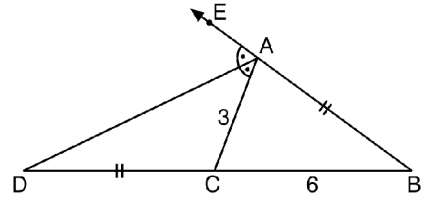
44



ABC üçgen, [AD] açıortay, $\frac{|BD|}{|DC|} = \frac{6}{7}$, $|AC| = 28$ cm olduğuna göre, $|AB|$ kaç cm dir?

- A) 20 B) 24 C) 28 D) 32 E) 36

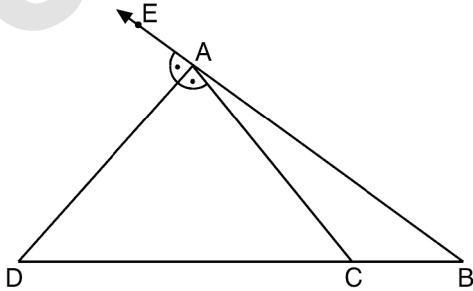
45



ABD üçgen, B, A, E doğrusal, $m(\widehat{DAC}) = m(\widehat{DAE})$
 $|AB| = |DC|$, $|AC| = 3$ cm, $|BC| = 6$ cm olduğuna göre, $|AD|$ kaç cm dir?

- A) $2\sqrt{6}$ B) $2\sqrt{11}$ C) $3\sqrt{6}$ D) $6\sqrt{2}$ E) $3\sqrt{10}$

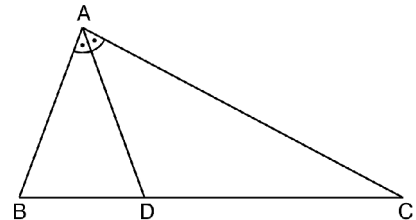
42



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $|DC| = 3|BC|$, $|AB| + |AC| = 56$ cm olduğuna göre, $|AB|$ kaç cm dir?

- A) 36 B) 32 C) 30 D) 27 E) 24

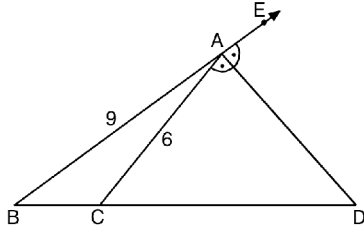
46



ABC üçgen, [AD] açıortay, $|AC| = 2|AB|$
 $|BC| = 18$ cm olduğuna göre, $|DC|$ kaç cm dir?

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

47



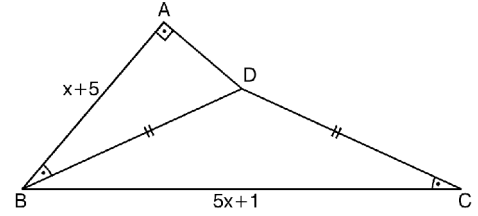
ABD üçgen, B, A, E doğrusal, $m(\widehat{DAC}) = m(\widehat{DAE})$

$|AB| = 9$ cm, $|AC| = 6$ cm, $|BD| = 15$ cm

olduğuna göre, $|AD|$ kaç cm dir?

- A) $\sqrt{37}$ B) $3\sqrt{5}$ C) $6\sqrt{2}$ D) $3\sqrt{10}$ E) $4\sqrt{6}$

50



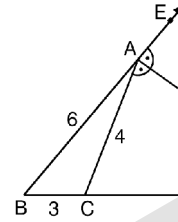
$[AB] \perp [AD]$, $|BD| = |CD|$, $m(\widehat{ABD}) = m(\widehat{BCD})$

$|AB| = (x+5)$ cm, $|BC| = (5x+1)$ cm

olduğuna göre, $|BC|$ kaç cm dir?

- A) 8 B) 10 C) 12 D) 15 E) 16

51



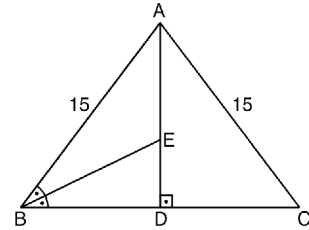
ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$

$|AB| = 6$ cm, $|AC| = 4$ cm, $|BC| = 3$ cm

olduğuna göre, $|AD|$ kaç cm dir?

- A) 5 B) $3\sqrt{3}$ C) $\sqrt{30}$ D) $4\sqrt{2}$ E) $2\sqrt{30}$

52

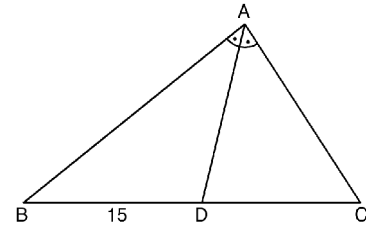


$[AD] \perp [BC]$, $m(\widehat{ABE}) = m(\widehat{CBE})$, $|AB| = |AC| = 15$ cm

$|BC| = 18$ cm olduğuna göre, $|AE|$ kaç cm dir?

- A) 3 B) 5 C) 6 D) $\frac{13}{2}$ E) $\frac{15}{2}$

53

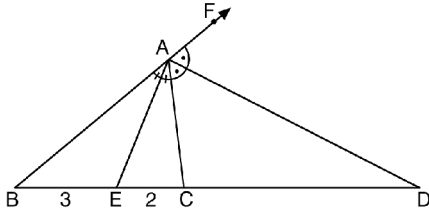


ABC üçgen, $[AD]$ açıortay, $\frac{|AC|}{|AB|} = \frac{3}{5}$, $|BD| = 15$ cm

olduğuna göre, $|BC|$ kaç cm dir?

- A) 24 B) 25 C) 27 D) 30 E) 32

48



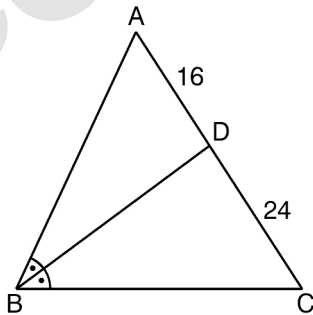
B, A, F doğrusal, $m(\widehat{BAE}) = m(\widehat{EAC})$, $m(\widehat{DAC}) = m(\widehat{DAF})$

$|BE| = 3$ cm, $|EC| = 2$ cm olduğuna göre,

$|BD|$ kaç cm dir?

- A) 8 B) 10 C) 12 D) 15 E) 18

49

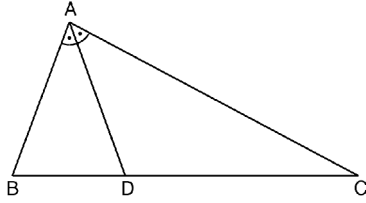


ABC üçgen, $[BD]$ açıortay, $|AD| = 16$ cm, $|DC| = 24$ cm

olduğuna göre, $\frac{|AB|}{|BC|}$ oranı kaçtır?

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

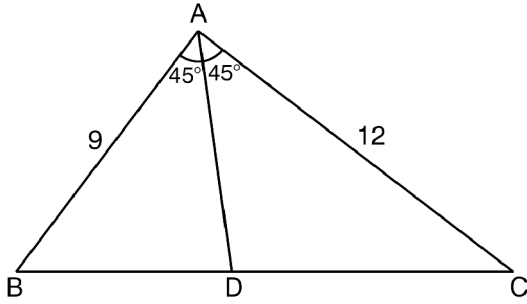
54



ABC üçgen, $[AD]$ açıortay, $|AB| \cdot |AC| = 54 \text{ cm}^2$
 $|BD| \cdot |DC| = 30 \text{ cm}^2$ olduğuna göre,
 $|AD|$ kaç cm dir?

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

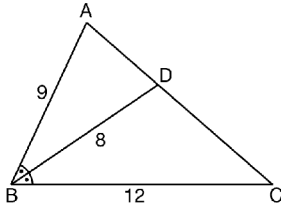
55



ABC üçgen $m(\widehat{BAD}) = m(\widehat{DAC}) = 45^\circ$, $|AB| = 9 \text{ cm}$
 $|AC| = 12 \text{ cm}$ olduğuna göre, $|DC|$ kaç cm dir?

- A) $\frac{180}{7}$ B) $\frac{135}{7}$ C) 12 D) 10 E) $\frac{60}{7}$

56



ABC üçgen, $[BD]$ açıortay, $|AB| = 9 \text{ cm}$, $|BD| = 8 \text{ cm}$
 $|BC| = 12 \text{ cm}$ olduğuna göre,
 $|AD| \cdot |DC|$ çarpımı kaç cm^2 dir?

- A) 36 B) 44 C) 54 D) 64 E) 72

57

$$[BD] \cap [EC] = \{F\}$$

$$[DC] \perp [BC]$$

$$[DA] \perp [AB]$$

$$|AB| = |BC|$$

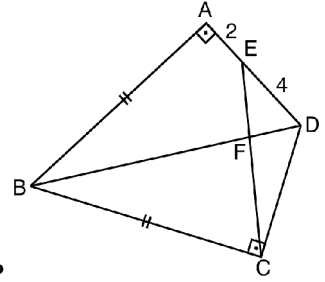
$$|AE| = 2 \text{ cm}$$

$$|DE| = 4 \text{ cm}$$

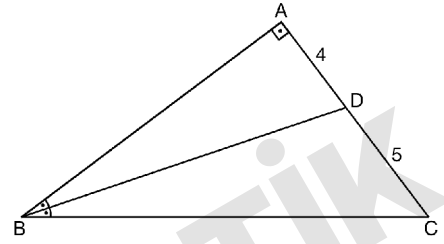
olduğuna göre,

$\frac{|EF|}{|EC|}$ oranı kaçtır?

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



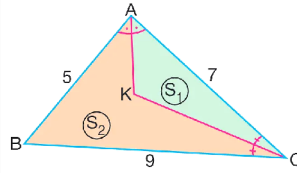
58



$[BD]$ açıortay, $[AB] \perp [AC]$, $|AD| = 4 \text{ cm}$, $|DC| = 5 \text{ cm}$
 olduğuna göre, $|AB|$ kaç cm dir?

- A) 6 B) 8 C) 9 D) 10 E) 12

59



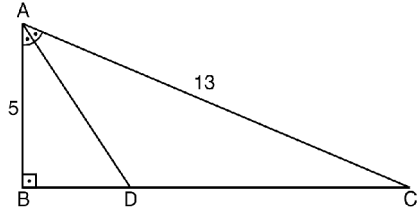
$|AC| = 7 \text{ cm}$
 $|AB| = 5 \text{ cm}$
 $|BC| = 9 \text{ cm}$

Yukarıdaki ABC üçgeninde $[AK]$ ve $[CK]$ açıortaylar ve S_1 ile S_2 bulundukları bölgelerin alanlarını göstermektedir.

Buna göre, $\frac{S_1}{S_2}$ oranı kaçtır?

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

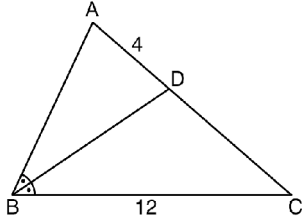
60



$[AD]$ açıortay, $[AB] \perp [BC]$, $|AB| = 5 \text{ cm}$, $|AC| = 13 \text{ cm}$
 olduğuna göre, $|BD|$ kaç cm dir?

- A) 3 B) $\frac{10}{3}$ C) 6 D) $\frac{20}{3}$ E) $\frac{26}{3}$

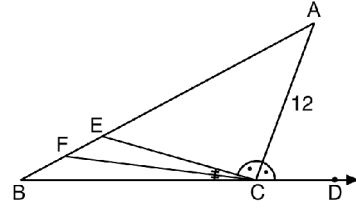
61



ABC üçgen, [BD] açıortay, $|AD| = 4$ cm, $|BC| = 12$ cm olduğuna göre, $|AB| \cdot |DC|$ çarpımı kaç cm^2 dir?

- A) 52 B) 48 C) 36 D) 24 E) 12

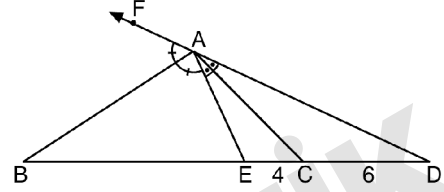
64



ABC, üçgen, B, C, D doğrusal, $m(\widehat{BCF}) = m(\widehat{FCE})$
 $m(\widehat{ECA}) = m(\widehat{DCA})$ $|FC| = 9$ cm, $|AC| = 12$ cm olduğuna göre, $|AF|$ kaç cm dir?

- A) 13 B) 15 C) 16 D) 20 E) 25

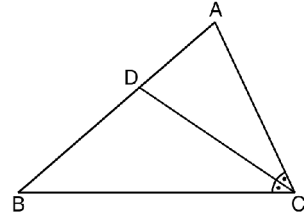
65



ABD, üçgen, D, A, F doğrusal, $m(\widehat{EAC}) = m(\widehat{DAC})$
 $m(\widehat{BAE}) = m(\widehat{BAF})$ $|EC| = 4$ cm, $|CD| = 6$ cm olduğuna göre, $|BE|$ kaç cm dir?

- A) 10 B) 12 C) 15 D) 18 E) 20

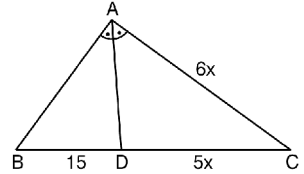
66



ABC üçgen, [CD] açıortay, $\frac{|AD|}{|BD|} = \frac{4}{7}$,
 $|AC| + |BC| = 44$ cm olduğuna göre, $|AC|$ kaç cm dir?

- A) 18 B) 16 C) 14 D) 12 E) 10

67

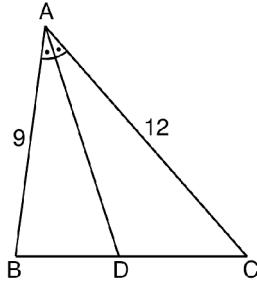


ABC üçgen, [AD] açıortay, $|AC| = 6x$ cm, $|DC| = 5x$ cm
 $|BD| = 15$ cm olduğuna göre, $|AB|$ kaç cm dir?

- A) 12 B) 15 C) 18 D) 21 E) 24

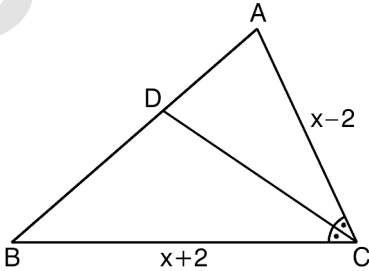
62

ABC üçgen
 [AD] açıortay
 $|AB| = 9$ cm
 $|AC| = 12$ cm
 olduğuna göre,
 $\frac{|BD|}{|DC|}$ oranı kaçtır?



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

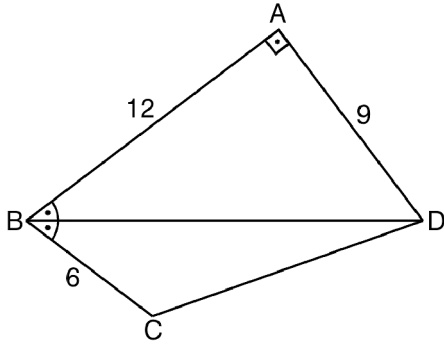
63



ABC üçgen, [CD] açıortay, $\frac{|AD|}{|BD|} = \frac{9}{10}$,
 $|AC| = (x-2)$ cm, $|BC| = (x+2)$ cm olduğuna göre,
 $|AC| + |BC|$ toplamı kaç cm dir?

- A) 76 B) 64 C) 52 D) 48 E) 38

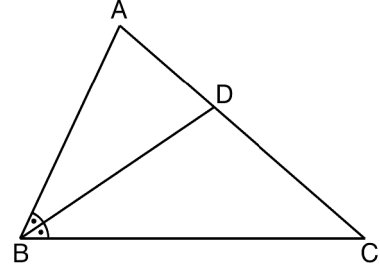
68



$[AB] \perp [AD]$, $m(\widehat{ABD}) = m(\widehat{CBD})$, $|AB| = 12$ cm
 $|AD| = 9$ cm, $|BC| = 6$ cm **olduğuna göre**,
 $|DC|$ kaç cm dir?

- A) 9 B) 10 C) $3\sqrt{13}$ D) 15 E) $4\sqrt{13}$

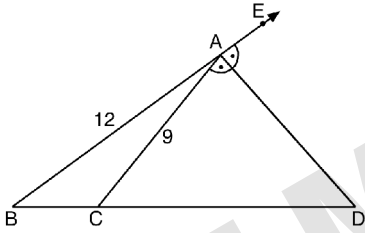
71



ABC üçgen, $[BD]$ açıortay, $|DC| = 2|AD|$
 $|BC| = |AB| + 7$ **olduğuna göre**, $|BC|$ kaç cm dir?

- A) 28 B) 21 C) 18 D) 14 E) 7

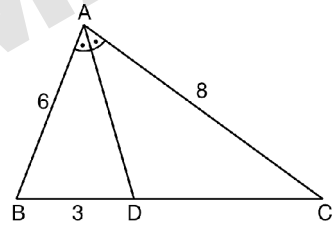
69



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $|AB| = 12$ cm, $|AC| = 9$ cm, $|BD| = 16$ cm
olduğuna göre, $|BC|$ kaç cm dir?

- A) 3 B) 4 C) 5 D) 6 E) 8

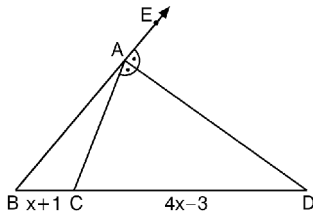
72



ABC üçgen, $[AD]$ açıortay, $|AB| = 6$ cm, $|AC| = 8$ cm
 $|BD| = 3$ cm **olduğuna göre**, $|AD|$ kaç cm dir?

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

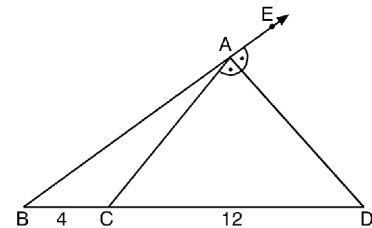
70



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $\frac{|AB|}{|AC|} = \frac{4}{3}$, $|BC| = (x+1)$ cm, $|CD| = (4x-3)$ cm
olduğuna göre, $|BD|$ kaç cm dir?

- A) 18 B) 20 C) 24 D) 28 E) 30

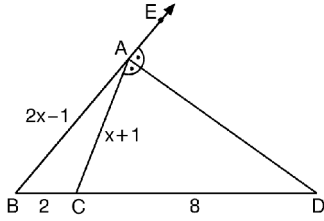
73



ABD üçgen, B, A, E doğrusal, $m(\widehat{DAC}) = m(\widehat{DAE})$
 $|BC| = 4$ cm, $|CD| = 12$ cm, $|AB| = |AC| + 2$
olduğuna göre, $|AD|$ kaç cm dir?

- A) 12 B) 15 C) 16 D) 18 E) 20

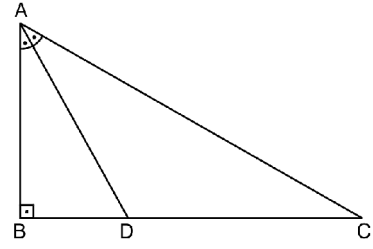
74



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $|BC| = 2$ cm, $|CD| = 8$ cm, $|AB| = (2x-1)$ cm
 $|AC| = (x+1)$ cm olduğuna göre, x kaçtır?

- A) 2 B) 3 C) 4 D) 5 E) 6

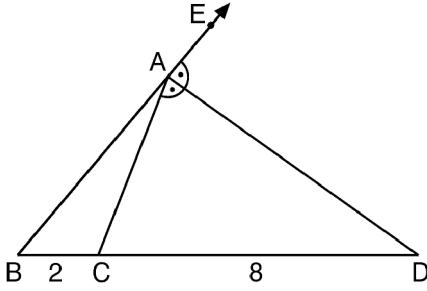
77



[AD] açıortay, $[AB] \perp [BC]$, $|DC| = 2|BD|$
 olduğuna göre, $m(\widehat{ACB})$ kaç derecedir?

- A) 15 B) 22,5 C) 30 D) 45 E) 60

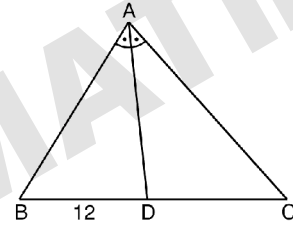
75



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $|BC| = 2$ cm, $|CD| = 8$ cm olduğuna göre,
 $\frac{|AB|}{|AC|}$ oranı kaçtır?

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

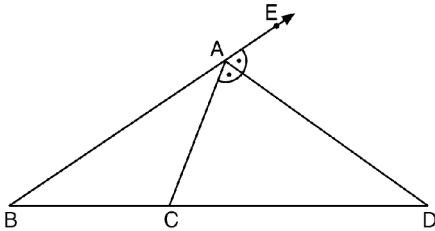
78



ABC üçgen, [AD] açıortay, $\frac{|AC|}{|DC|} = \frac{7}{4}$, $|BD| = 12$ cm
 olduğuna göre, $|AB|$ kaç cm dir?

- A) 21 B) 18 C) 15 D) 12 E) 9

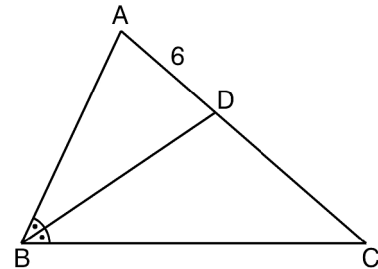
76



ABD üçgen, B, A, E doğrusal, $m(\widehat{CAD}) = m(\widehat{DAE})$
 $2|AB| = 3|AC|$ olduğuna göre, $\frac{|BC|}{|CD|}$ oranı kaçtır?

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

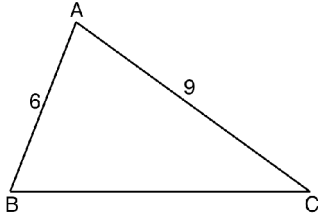
79



ABC üçgen, [BD] açıortay, $5|AB| = 3|BC|$
 $|AD| = 6$ cm olduğuna göre, $|DC|$ kaç cm dir?

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

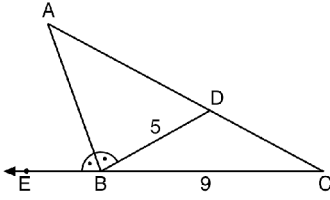
80



$m(\widehat{BAC}) = 2m(\widehat{ACB})$, $|AB| = 6$ cm, $|AC| = 9$ cm
olduğuna göre, $|BC|$ kaç cm dir?

- A) $2\sqrt{15}$ B) $6\sqrt{2}$ C) $4\sqrt{5}$ D) $3\sqrt{10}$ E) $5\sqrt{10}$

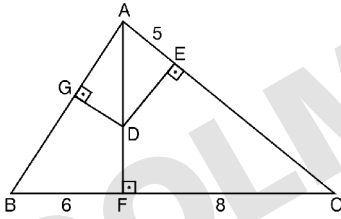
81



ABC üçgen, C, B, E doğrusal, $m(\widehat{ABD}) = m(\widehat{ABE})$
 $|BC| = 9$ cm, $|BD| = 5$ cm olduğuna göre, $\frac{|AD|}{|DC|}$
oranı kaçtır?

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

82



D, ABC üçgeninin iç açıortaylarının kesim noktası
 $[DE] \perp [AC]$, $[DF] \perp [BC]$, $[DG] \perp [AB]$, $|AE| = 5$ cm
 $|BF| = 6$ cm, $|FC| = 8$ cm olduğuna göre,
Çevre(ABC) kaç cm dir?

- A) 38 B) 36 C) 32 D) 30 E) 28

CEVAP ANAHTARI

No	Cevap	No	Cevap
1.	D	42.	B
2.	A	43.	C
3.	D	44.	B
4.	E	45.	C
5.	B	46.	D
6.	E	47.	E
7.	C	48.	D
8.	C	49.	B
9.	B	50.	E
10.	D	51.	C
11.	C	52.	E
12.	C	53.	A
13.	A	54.	B
14.	D	55.	E
15.	E	56.	B
16.	B	57.	C
17.	D	58.	E
18.	E	59.	B
19.	E	60.	B
20.	C	61.	B
21.	C	62.	D
22.	D	63.	A
23.	A	64.	B
24.	E	65.	E
25.	E	66.	B
26.	A	67.	C
27.	E	68.	C
28.	E	69.	B
29.	E	70.	D
30.	B	71.	D
31.	A	72.	C
32.	A	73.	A
33.	E	74.	B
34.	E	75.	E
35.	D	76.	A
36.	B	77.	C
37.	B	78.	A
38.	D	79.	C
39.	A	80.	D
40.	C	81.	A
41.	D	82.	A