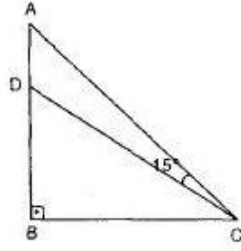
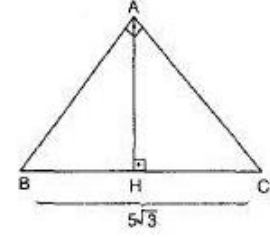


- 1) ABC ikizkenar dik üçgeninde  
 $m(\hat{A}CD) = 15^\circ$  ve  
 $|DB| = \sqrt{3}$  br ise  
 $|AC|$  kaç br'dir?



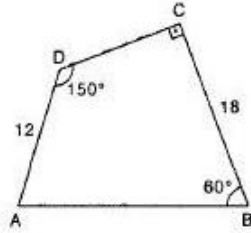
- A) 3 B)  $3\sqrt{2}$  C) 6 D)  $6\sqrt{2}$  E)  $6\sqrt{3}$

- 2) Şekildeki ABC üçgeninde  
 $[AH] \perp [BC]$ ,  
 $m(\hat{A}) = 90^\circ$  dir.  
 $|BC| = 5\sqrt{3}$  cm,  
 $|BH|^2 + |HC|^2 = 25 \text{ cm}^2$   
ise  $|AH|$  kaç cm'dir?



- A) 3 B) 5 C)  $5\sqrt{3}$  D) 9 E)  $9\sqrt{2}$

- 3) Şekilde  $[BC] \perp [DC]$ ,  
 $m(\hat{ADC}) = 150^\circ$ ,  
 $m(\hat{CBA}) = 60^\circ$  dir.  
 $|AD| = 12$  cm,  
 $|BC| = 18$  cm ise  
 $|AB|$  kaç cm'dir?



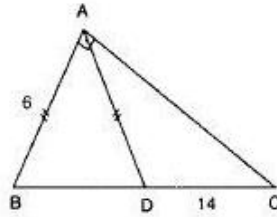
- A) 20 B) 22 C) 24 D) 25 E) 27

- 4) Şekildeki ABC üçgeninde  
 $[AB] \perp [AC]$ ,  
 $|BD| = |DC|$ ,  
 $|AC| = 24$  br,  
 $|AE| = 13$  br ve  
 $|EB| = 3$  br ise  
 $|ED|$  kaç br'dir?



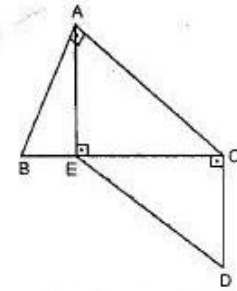
- A) 12 B) 13 C) 14 D) 15 E) 16

- 5) Şekildeki ABC dik üçgeninde  
 $|AB| = |AD| = 6$  br ve  
 $|DC| = 14$  br ise  
 $|BC|$  kaç br'dir?



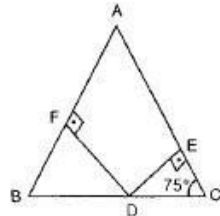
- A) 16 B) 17 C) 18 D) 19 E) 20

- 6) Şekilde, ABC ve CED üçgenleri dik üçgenlerdir.  
 $[AE] \perp [BC]$ ,  
 $|BC| = |CD|$ ,  
 $A(\triangle ECD) = 32 \text{ br}^2$  ise  $|AC|$   
kaç br'dir?



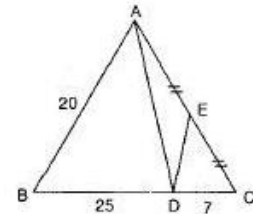
- A) 4 B) 6 C) 8 D) 16 E) 20

- 7) Şekilde  $|AB| = |AC|$   
 $m(\hat{ACB}) = 75^\circ$ ,  
 $|AB| = 18$  cm  
 $[DE] \perp [AC]$ ,  
 $[DF] \perp [AB]$  ise  
 $|DE| + |DF|$  kaç cm'dir?



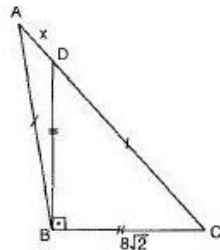
- A) 7 B) 8 C) 9 D) 10 E) 12

- 8) Şekilde  
 $|AB| = |AC| = 20$  cm  
 $|AE| = |EC|$ ,  
 $|BD| = 25$  cm  
 $|DC| = 7$  cm ise  
 $|DE| = x$  kaç cm'dir?



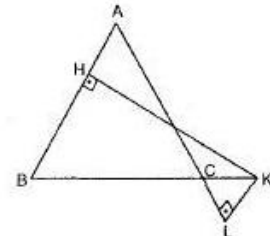
- A)  $\sqrt{22}$  B)  $\sqrt{31}$  C)  $\sqrt{42}$   
D)  $\sqrt{37}$  E)  $\sqrt{68}$

- 9) Şekilde  $m(\hat{DBC}) = 90^\circ$   
 $|BD| = |BC|$ ,  $|AB| = |DC|$   
dir.  
 $|BC| = 8\sqrt{2}$  cm ise  
 $|AD| = x$  kaç cm'dir?



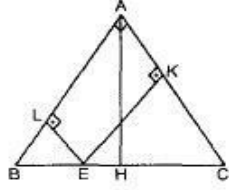
- A)  $4(\sqrt{3}-1)$  B)  $5(\sqrt{3}-1)$  C)  $6(\sqrt{3}-1)$   
D)  $8(\sqrt{3}-1)$  E)  $10(\sqrt{3}-1)$

- 10) Şekilde  
 $|AB| = |AC|$ ,  
 $|KH| = |KL| = 8$  cm  
 $|BC| = 4\sqrt{5}$  cm ise  
 $A(\triangle ABC)$  kaç  $\text{cm}^2$   
dir?



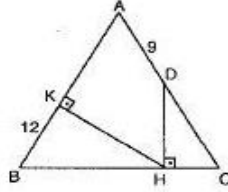
- A)  $30\sqrt{5}$  B)  $30\sqrt{6}$  C)  $36\sqrt{5}$   
D) 40 E) 70

- 11) Şekilde ABC ikizkenar dik üçgen,  $IBHI = IHCI$ ,  $IAHI = 10$  cm,  $[EL] \perp [AB]$  ve  $[EK] \perp [AC]$  ise **IELI + IKEI toplamı kaç cm'dir?**



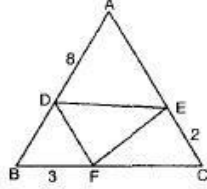
- A)  $8\sqrt{2}$  B)  $10\sqrt{2}$  C)  $12\sqrt{2}$   
D)  $14\sqrt{2}$  E)  $16\sqrt{2}$

- 13) Şekilde ABC eşkenar üçgen  $IBKI = 12$  cm,  $IADI = 9$  cm ise, **IBCI kaç cm dir?**



- A) 36 B) 39 C) 42 D) 45 E) 48

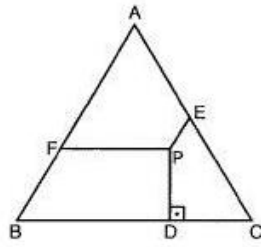
- 15) Şekilde ABC eşkenar üçgen,  $IBCI = 12$  cm,  $IBFI = 3$  cm,  $IADI = 8$  cm,  $ICEI = 2$  cm ise, **A(DEF) kaç  $cm^2$  dir?**



- A)  $12\sqrt{3}$  B)  $\frac{13\sqrt{3}}{2}$  C)  $\frac{15\sqrt{3}}{2}$   
D)  $\frac{17\sqrt{3}}{2}$  E)  $\frac{19\sqrt{3}}{2}$

- 17) ABC eşkenar üçgen

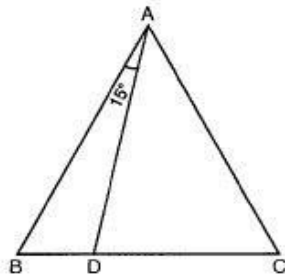
- $[PD] \perp [BC]$   
 $[FP] \parallel [BC]$   
 $[PE] \parallel [AB]$   
 $[PD] = \sqrt{3} [PE]$   
 $[FP] = 2[PE]$



ABC eşkenar üçgeninin çevresi 30 cm olduğuna göre, **|AF| kaç cm dir?**

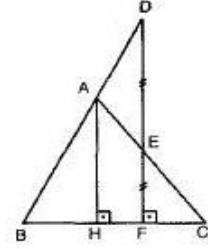
- A) 3 B) 4 C) 5 D) 6 E) 7

- 19) ABC eşkenar üçgen  $m(\widehat{BAD}) = 15^\circ$   $|AB| - |BD| = 2\sqrt{3}$  cm olduğuna göre, **|AD| kaç cm dir?**



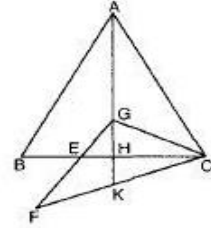
- A)  $2\sqrt{2}$  B)  $2\sqrt{3}$  C) 4 D)  $3\sqrt{2}$  E)  $3\sqrt{3}$

- 12) Şekilde  $IABI = IACI$ ,  $[AH] \perp [BC]$  ve  $IDEI = IEFI = 6$  cm ise **IAHI kaç cm'dir?**



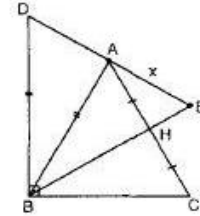
- A) 6 B) 7 C) 9 D) 10 E) 11

- 14) Şekilde ABC eşkenar üçgen,  $G, \Delta ABC$ 'ninin,  $H$  noktası  $\Delta GFC$ 'ninin ağırlık merkezi,  $IAKI = 28$  cm ise, **ICEI kaç cm dir?**



- A)  $8\sqrt{3}$  B)  $10\sqrt{3}$  C)  $12\sqrt{3}$   
D)  $16\sqrt{3}$  E)  $18\sqrt{3}$

- 16) Şekilde ABC eşkenar üçgen, D, A, E noktaları doğrusal,  $[BD] \perp [BC]$ ,  $IAHI = IHCI$ ,  $IBDI = IABI = 12\sqrt{2}$  cm ise, **IAEI = x kaç cm'dir?**

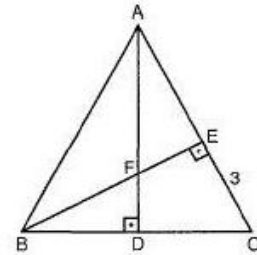


- A) 10 B) 12 C) 16 D) 18 E) 24

- 18) ABC üçgen

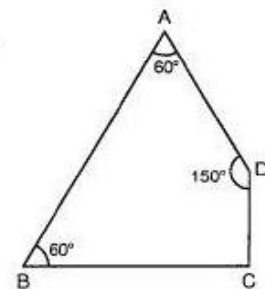
- $[AD] \perp [BC]$   
 $[BE] \perp [AC]$   
 $|AB| = |AC|$   
 $|BE| = |AD|$   
 $|EC| = 3$  cm

olduğuna göre, **|AB| kaç cm dir?**



- A)  $3\sqrt{2}$  B)  $3\sqrt{3}$  C) 6 D) 8 E)  $6\sqrt{2}$

- 20) ABCD dörtgen  $m(\widehat{ABC}) = m(\widehat{BAD}) = 60^\circ$   $m(\widehat{ADC}) = 150^\circ$   $|AB| - |AD| = 6$  cm olduğuna göre, **|DC| kaç cm dir?**



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