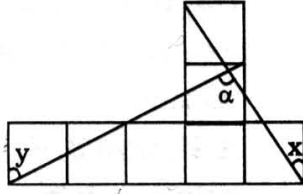


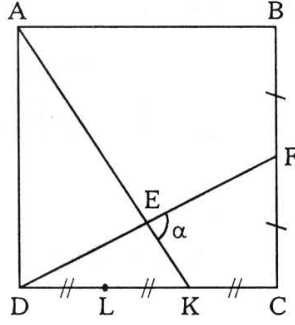
14. Yandaki şekil özdeş 7 kareden oluşmaktadır. Buna göre,  $\cot \alpha$  kaçtır?



- A)  $-\frac{1}{7}$  B)  $-\frac{1}{8}$  C)  $-\frac{1}{9}$  D)  $-\frac{2}{3}$  E)  $-\frac{3}{4}$

B

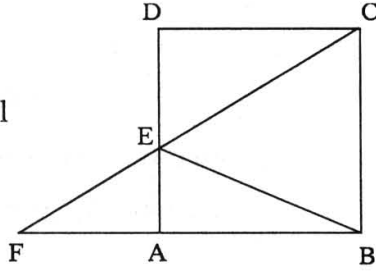
15. ABCD kare,  
 $|BF| = |FC|$   
 $|DL| = |LK| = |KC|$   
 $m(\widehat{KEF}) = \alpha$   
 ise  $\cot \alpha$  kaçtır?



- A) 1 B)  $\frac{1}{2}$  C)  $\frac{1}{4}$  D)  $\frac{1}{8}$  E)  $\frac{1}{16}$

D

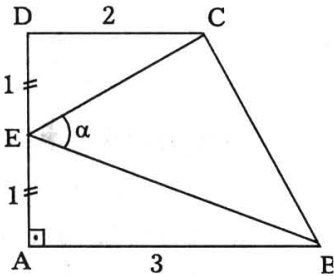
16. ABCD kare,  
 F, E, C ve F, A, B noktaları doğrusal  
 $2|DE| = |AB|$   
 ise  $\cot(\widehat{FEB})$  değeri kaçtır?



- A)  $-\frac{1}{2}$  B)  $-\frac{1}{4}$  C)  $-\frac{3}{4}$  D)  $-\frac{1}{10}$  E)  $-\frac{1}{11}$

C

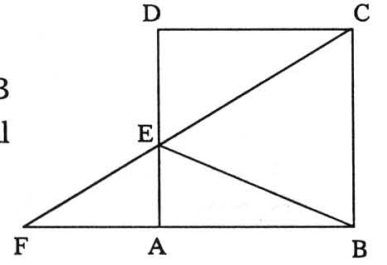
17. ABCD dik yamuk,  
 $|AE| = |ED| = 1$  br  
 $|DC| = 2$  br ve  
 $|AB| = 3$  br  
 ise  $m(\widehat{CEB}) = \alpha$   
 kaç derecedir?



- A) 15 B) 30 C) 45 D) 60 E) 75

C

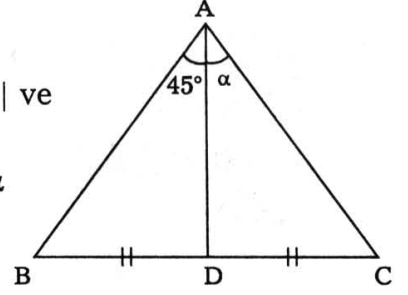
18. ABCD kare,  
 $3|EA| = 2|AB|$   
 F, E, C ve F, A, B noktaları doğrusal  
 ise  $\tan(\widehat{BFC})$  değeri kaçtır?



- A)  $\frac{1}{3}$  B)  $\frac{1}{4}$  C)  $\frac{1}{5}$  D)  $\frac{1}{7}$  E)  $\frac{1}{8}$

A

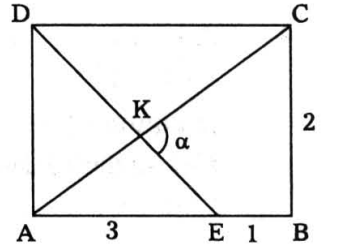
20. ABC üçgen,  
 $|BD| = |DC|$   
 $2|AB| = \sqrt{2}|AC|$  ve  
 $m(\widehat{BAD}) = 45^\circ$   
 ise  $m(\widehat{DAC}) = \alpha$   
 kaç derecedir?



- A) 15 B) 30 C) 45 D) 60 E) 75

B

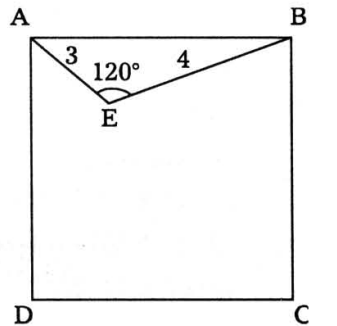
21. ABCD dikdörtgen,  
 $2|BC| = |AB| = 4$  br  
 $3|EB| = |AE| = 3$  br  
 $m(\widehat{CKE}) = \alpha$   
 ise  $\tan \alpha$  kaçtır?



- A)  $\frac{1}{2}$  B)  $\frac{3}{4}$  C) 1 D)  $\frac{5}{4}$  E)  $\frac{7}{4}$

E

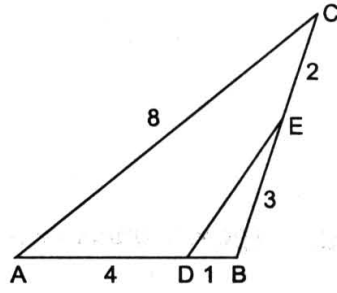
4. Şekilde,  
 ABCD kare  
 $m(\widehat{AEB}) = 120^\circ$   
 $|AE| = 3$  cm ve  
 $|EB| = 4$  cm  
 ise Çevre(ABCD)  
 kaç cm dir?



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

A

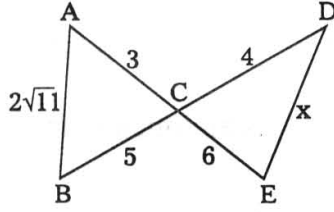
8. Yandaki şekilde verilenlere göre,  $|DE|$  kaç br dir?



- A)  $\frac{2\sqrt{73}}{5}$  B)  $\frac{2\sqrt{47}}{5}$  C)  $\frac{2\sqrt{23}}{5}$  D)  $\frac{2\sqrt{13}}{5}$  E)  $\frac{\sqrt{13}}{5}$

A

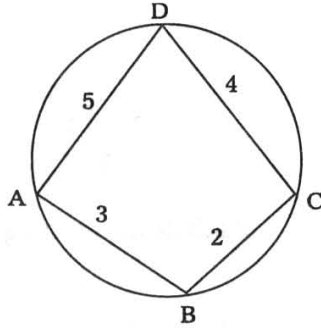
9. Yandaki şekilde,  $|AB| = 2\sqrt{11}$  br  
 $|BC| = 5$  br  
 $|AC| = 3$  br  
 $|CE| = 6$  br  
 $|CD| = 4$  br  
 ise  $|DE| = x$  kaç br dir?



- A)  $4\sqrt{11}$  B)  $3\sqrt{19}$  C)  $2\sqrt{17}$   
 D)  $4\sqrt{19}$  E)  $2\sqrt{38}$

C

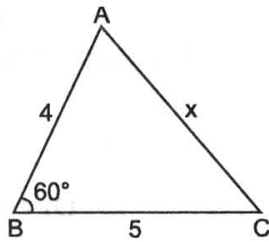
10. Şekilde, ABCD kirişler dörtgeni,  
 $|AD| = 5$  cm  
 $|AB| = 3$  cm  
 $|DC| = 4$  cm ve  
 $|BC| = 2$  cm  
 ise  $\cos(\widehat{DAB})$  kaçtır?



- A)  $-\frac{7}{20}$  B)  $-\frac{7}{23}$  C)  $\frac{7}{23}$  D)  $\frac{7}{20}$  E)  $\frac{7}{19}$

C

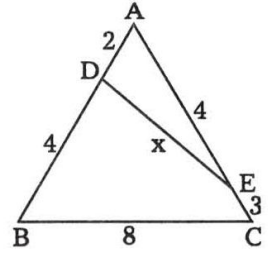
11. Yandaki ABC üçgeninde,  
 $|AB| = 4$  br  
 $|BC| = 5$  br  
 $m(\widehat{ABC}) = 60^\circ$   
 olduğuna göre,  
 $|AC| = x$  kaç br dir?



- A)  $\sqrt{12}$  B)  $\sqrt{18}$  C)  $\sqrt{21}$  D)  $\sqrt{34}$  E)  $\sqrt{41}$

C

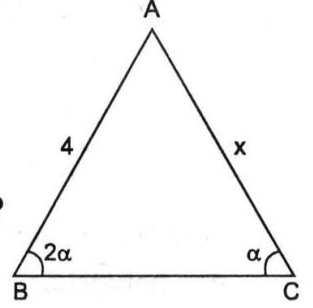
12. Yandaki şekilde,  
 $|AE| = |DB| = 4$  br  
 $|AD| = 2$  br  
 $|EC| = 3$  br  
 $|BC| = 8$  br  
 $|ED| = x$  kaç br dir?



- A)  $\frac{\sqrt{15}}{2}$  B)  $\frac{\sqrt{19}}{3}$  C) 4 D)  $\sqrt{23}$  E) 5

C

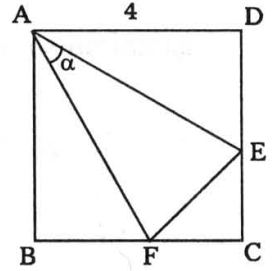
13. ABC üçgeninde,  
 $|AB| = 4$  cm ve  
 $\cos \alpha = \frac{3}{4}$   
 olduğuna göre,  
 $|AC| = x$  kaç cm dir?



- A) 2 B) 4 C) 6 D) 12 E) 24

C

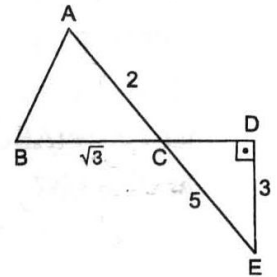
15. Şekilde,  
 ABCD kare  
 $|AD| = 4$  br  
 $|FC| = |EC| = 1$  br ve  
 $m(\widehat{FAE}) = \alpha$   
 ise  $\cos \alpha$  kaçtır?



- A)  $\frac{21}{22}$  B)  $\frac{22}{23}$  C)  $\frac{23}{24}$  D)  $\frac{24}{25}$  E)  $\frac{25}{26}$

D

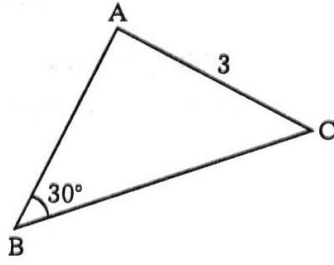
16.  $|CD| \perp |DE|$   
 olmak üzere,  
 şekilde verilenlere  
 göre, A(ABC) kaç  
 birim karedir?



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

D

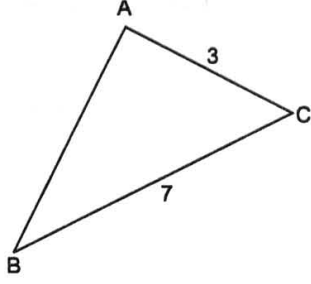
1. Şekildeki ABC üçgeninde,  
 $m(\widehat{B}) = 30^\circ$   
 $|AC| = 3$  br  
**ise ABC üçgeninin çevrel çemberinin yarıçapı kaç br dir?**



- A)  $\frac{3}{2}$  B) 3 C) 4 D) 6 E) 12

- B  
 2. Şekildeki ABC üçgeninde,

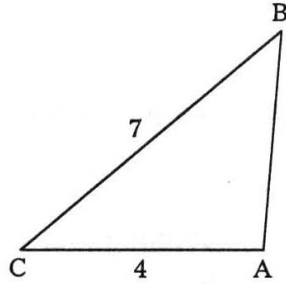
$|AC| = 3$  cm  
 $|BC| = 7$  cm  
 $m(\widehat{A}) = 80^\circ$   
 $m(\widehat{B}) = 40^\circ$   
**ise  $|AB|$  kaç br dir?**



- A)  $\sqrt{3}$  B)  $\sqrt{14}$  C)  $\sqrt{17}$  D)  $\sqrt{29}$  E)  $\sqrt{37}$

- E  
 3. Yandaki ABC üçgeninde,

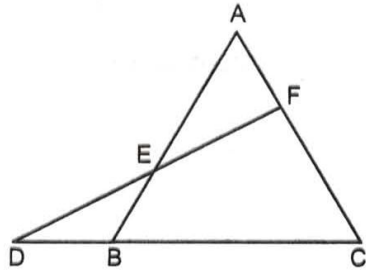
$|BC| = 7$  cm  
 $|AC| = 4$  cm  
 $m(\widehat{A}) = m(\widehat{B}) + 90^\circ$   
**olduğuna göre,  $\cot \widehat{B}$  değeri kaçtır?**



- A)  $\frac{4}{7}$  B)  $\frac{2}{3}$  C)  $\frac{7}{4}$  D)  $\frac{11}{2}$  E) 3

- C  
 4. Yandaki ABC üçgeninin alanı  $28$  br<sup>2</sup>

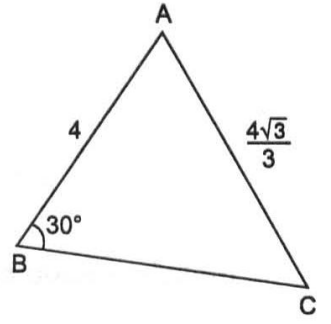
$|AF| = 6$  br  
 $|CF| = 8$  br  
 $|BC| = 12$  br  
 $|DB| = 6$  br



**olduğuna göre, DCF üçgeninin alanı kaç br<sup>2</sup> dir?**

- A) 18 B) 20 C) 22 D) 24 E) 26

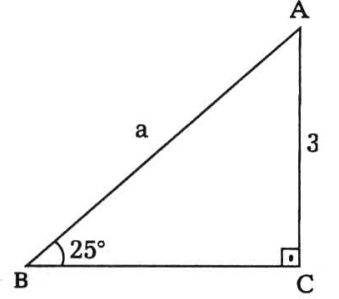
5. Şekilde verilene göre,  $\text{Alan}(\widehat{ABC})$  kaçtır?



- A)  $\frac{8\sqrt{3}}{3}$  B)  $\frac{4\sqrt{3}}{3}$  C)  $\sqrt{3}$  D)  $\frac{2\sqrt{3}}{3}$  E)  $\frac{\sqrt{3}}{3}$

A

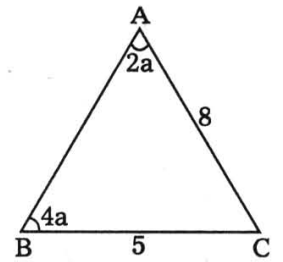
12. ACB dik üçgen,  
 $[AC] \perp [BC]$   
 $|AC| = 3$  br  
 $|AB| = a$  br ve  
 $m(\widehat{ABC}) = 25^\circ$   
**ise  $\sin 130^\circ$  nin a türünden eşiti aşağıdakilerden hangisidir?**



- A)  $\frac{6\sqrt{a^2-9}}{a^2}$  B)  $\frac{3a^2}{\sqrt{a^2-9}}$  C)  $4a\sqrt{a^2-9}$   
 D)  $\frac{\sqrt{a^2-9}}{a}$  E)  $\frac{\sqrt{a^2-9}}{a^2}$

A

15. ABC üçgen  
 $m(\widehat{BAC}) = 2a$   
 $m(\widehat{ABC}) = 4a$   
 $|BC| = 5$  br  
 $|AC| = 8$  br  
**ise  $\cot 2a$  değeri kaçtır?**



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

A