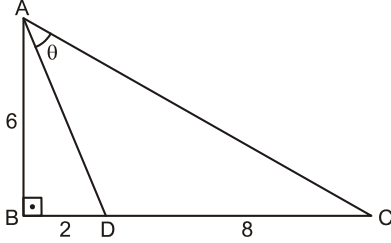


TOPLAM - FARK ŞEKLİ SORULAR

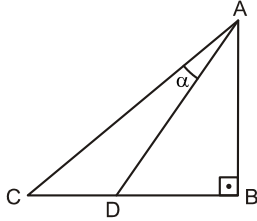
1.



Şekilde verilenlere göre $\sin\theta$ aşağıdakilerden hangisidir?

- A) $\sqrt{5}$ B) $\frac{\sqrt{10}}{25}$ C) $\sqrt{10}$ D) 25 E) $\frac{6\sqrt{85}}{85}$

2.



ABC üçgeninde

$$|BD| = 1$$

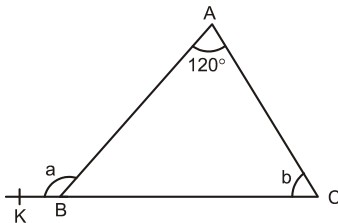
$$|DC| = 3$$

$$|AB| = 4$$

olduğuna göre $\cot\alpha$ kaçtır?

- A) $\frac{1}{5}$ B) $\frac{2}{5}$ C) $\frac{5}{3}$ D) $\frac{5}{4}$ E) $\frac{6}{5}$

3.



ABC üçgeninde

$$m(\widehat{BAC}) = 120^\circ$$

$$m(\widehat{ABK}) = a$$

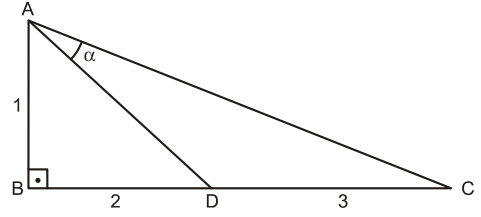
$$m(\widehat{ACB}) = b \text{ ise}$$

$$(\sin a + \sin b)^2 + (\cos a + \cos b)^2$$

işleminin sonucu kaçtır?

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

4.



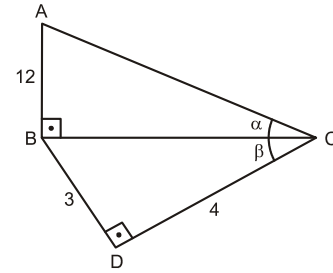
ABC dik üçgen $[AB] \perp [BC]$

$|AB| = 1$ br, $|BD| = 2$ br, $|DC| = 3$ br ise

$\tan\alpha$ nın değeri kaçtır?

- A) $\frac{3}{7}$ B) $\frac{11}{4}$ C) $\frac{3}{11}$ D) $\frac{5}{11}$ E) $\frac{5}{7}$

5.



Şekilde $[AB] \perp [BC]$, $[BD] \perp [DC]$ ve

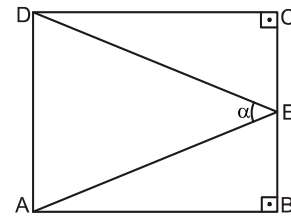
$m(\widehat{ACB}) = \alpha$, $m(\widehat{BCD}) = \beta$, $|AB| = 12$ br,

$|BD| = 3$ br, $|DC| = 4$ br olduğuna göre

$\tan(\alpha + \beta)$ kaçtır?

- A) $\frac{63}{20}$ B) $\frac{63}{16}$ C) $\frac{15}{9}$ D) $-\frac{63}{16}$ E) $\frac{9}{8}$

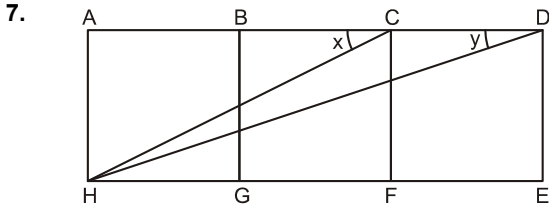
6.



ABCD kare $|BE| = 2|CE|$ olduğuna göre

$\tan\alpha$ kaçtır?

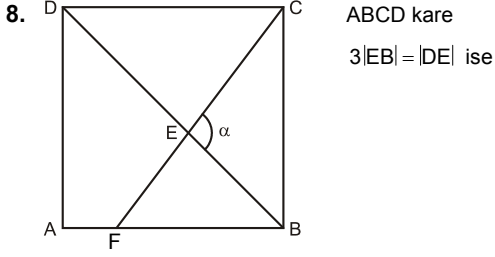
- A) $\frac{9}{7}$ B) $\frac{8}{7}$ C) $\frac{7}{6}$ D) $\frac{6}{5}$ E) $\frac{5}{4}$



Özdeş 3 kareden oluşan ADEH dikdörtgeni veriliyor.

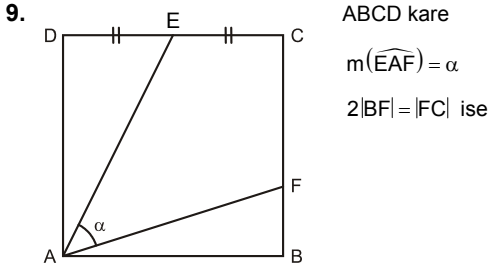
Buna göre $x+y$ kaç derecedir?

- A) 30 B) 45 C) 55 D) 60 E) 90



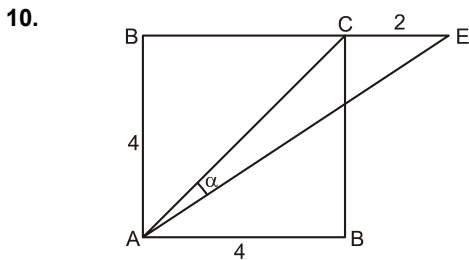
$\tan \alpha$ nın değeri aşağıdakilerden hangisidir?

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



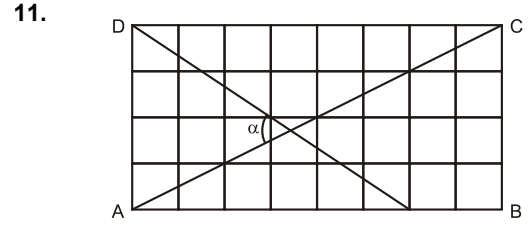
$\cot \alpha$ nın değeri aşağıdakilerden hangisidir?

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



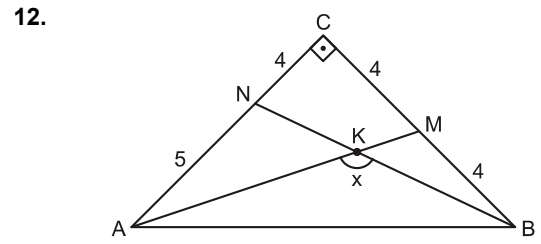
ABCD karedir. Verilenlere göre $\tan \alpha$ kaçtır?

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



Şekildeki ABCD dikdörtgeni eş karelerden oluşmuştur. Buna göre $\tan \alpha$ nın değeri kaçtır?

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

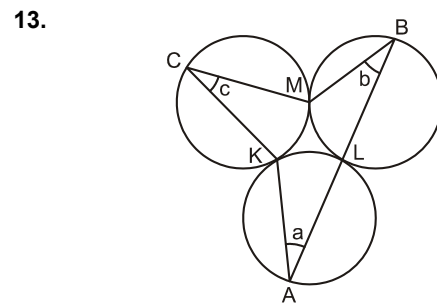


CBA dik üçgen, $|CM| = |MB| = 4$ cm

$|CN| = 3$ cm, $|NA| = 5$ cm ise

$\cot x$ 'in değeri kaçtır?

- A) $-\frac{17}{14}$ B) $\frac{1}{16}$ C) $\frac{11}{9}$ D) $\frac{16}{11}$ E) $\frac{16}{13}$



Şekildeki çemberler birbirine K, L, M noktalarında teğettir.

$m(\widehat{KAL}) = a$, $m(\widehat{LBM}) = b$, $m(\widehat{MCK}) = c$ ve

$\cot a = \frac{1}{2}$, $\tan b = 3$ olduğuna göre

$\cot c$ kaçtır?

- A) 3 B) 2 C) 1 D) 0 E) -1

GEBÖS YAYINLARI

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