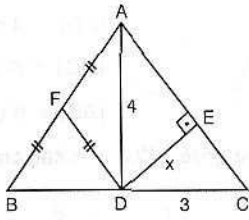


1.

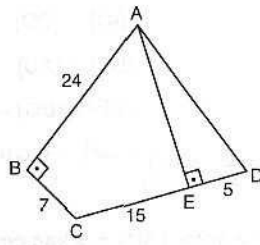


ABC bir üçgen
 $[DE] \perp [AC]$
 $|AF| = |FB| = |FD|$
 $|AD| = 4 \text{ cm}$
 $|DC| = 3 \text{ cm}$

Yukarıdaki verilere göre, $|DE| = x$ kaç cm dir?

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

2.

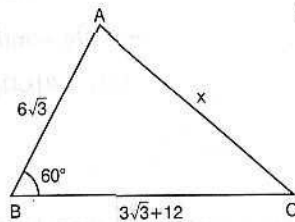


ABCD bir dörtgen
 $[AB] \perp [BC]$
 $[AE] \perp [CD]$
 $|AB| = 24 \text{ cm}$
 $|BC| = 7 \text{ cm}$
 $|CE| = 15 \text{ cm}$
 $|ED| = 5 \text{ cm}$

Yukarıdaki verilere göre, AED üçgeninin alanı kaç cm^2 dir?

- A) 20 B) 30 C) 40 D) 50 E) 60

3.

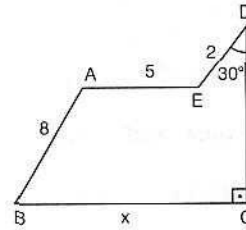


$m(\widehat{B}) = 60^\circ$
 $|AB| = 6\sqrt{3} \text{ cm}$
 $|BC| = 3\sqrt{3} + 12 \text{ cm}$

Yukarıdaki verilere göre, $|AC| = x$ kaç cm dir?

- A) $12\sqrt{2}$ B) 13 C) 15 D) 17 E) 24

4.

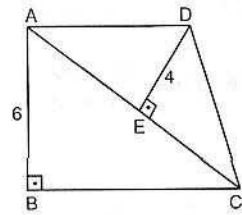


$[AE] \parallel [BC]$
 $[AB] \parallel [ED]$
 $m(\widehat{BCD}) = 90^\circ$
 $m(\widehat{EDC}) = 30^\circ$
 $|AB| = 8 \text{ cm}$
 $|AE| = 5 \text{ cm}$
 $|DE| = 2 \text{ cm}$

Yukarıdaki verilere göre, $|BC| = x$ kaç cm dir?

- A) 15 B) 13 C) 10 D) 9 E) 8

5.

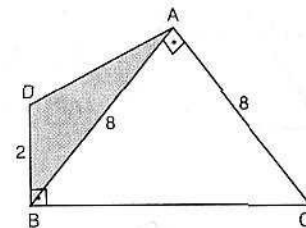


$[AB] \perp [BC]$
 $[DE] \perp [AC]$
 $A(\widehat{ADC}) = 20 \text{ cm}^2$
 $|DE| = 4 \text{ cm}$
 $|AB| = 6 \text{ cm}$

Yukarıdaki verilere göre, $|BC|$ kaç cm dir?

- A) 6 B) 8 C) 10 D) $6\sqrt{3}$ E) $6\sqrt{2}$

6.

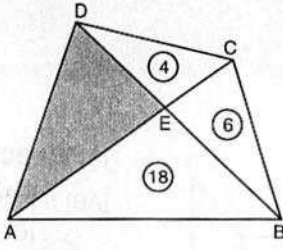


ADBC dörtgen
 $[AB] \perp [AC]$
 $[DB] \perp [BC]$
 $|AB| = |AC| = 8 \text{ cm}$
 $|DB| = 2 \text{ cm}$

Yukarıdaki verilere göre, Alan(ADB) kaç cm^2 dir?

- A) $2\sqrt{2}$ B) $4\sqrt{2}$ C) $5\sqrt{2}$ D) $6\sqrt{2}$ E) $8\sqrt{2}$

7.

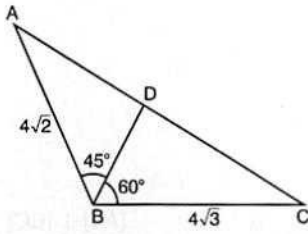


ABCD bir dörtgen
 [AC] köşegen
 [DB] köşegen
 $A(DEC) = 4 \text{ cm}^2$
 $A(CEB) = 6 \text{ cm}^2$
 $A(AEB) = 18 \text{ cm}^2$

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

- A) 9 B) 12 C) 14 D) 15 E) 16

8.

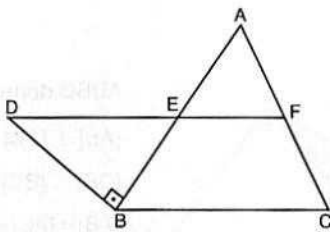


ABC bir üçgen
 $|AB| = 4\sqrt{2} \text{ cm}$
 $|BC| = 4\sqrt{3} \text{ cm}$
 $m(\widehat{ABD}) = 45^\circ$
 $m(\widehat{DBC}) = 60^\circ$

Yukarıdaki verilere göre, $\frac{\text{Alan}(ABD)}{\text{Alan}(DBC)}$ oranı kaçtır?

- A) $\frac{2}{3}$ B) $\frac{3}{4}$ C) $\frac{4}{9}$ D) $\frac{9}{16}$ E) $\frac{\sqrt{2}}{\sqrt{3}}$

9.

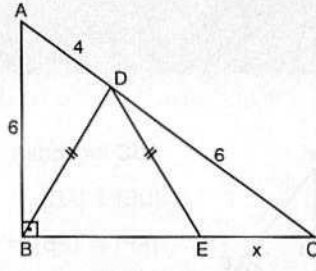


ABC eşkenar
 üçgen
 $m(\widehat{ABD}) = 90^\circ$
 $[DF] \parallel [BC]$
 $\frac{|AF|}{|FC|} = \frac{3}{2}$

Yukarıdaki verilere göre, $\frac{|DE|}{|FC|}$ oranı kaçtır?

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

10.

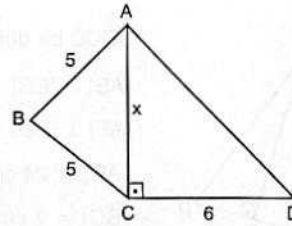


ABC bir dik üçgen
 $[AB] \perp [BC]$
 $|DB| = |DE|$
 $|AD| = 4 \text{ cm}$
 $|DC| = 6 \text{ cm}$
 $|AB| = 6 \text{ cm}$

Yukarıdaki verilere göre, $|EC| = x$ kaç cm dir?

- A) $\frac{5}{2}$ B) $\frac{7}{3}$ C) $\frac{8}{3}$ D) $\frac{8}{5}$ E) $\frac{9}{5}$

11.

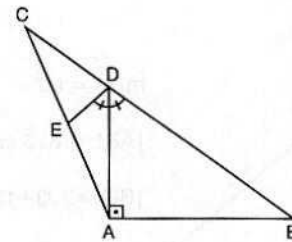


ABCD bir dörtgen
 $[AC] \perp [CD]$
 $[BC] \parallel [AD]$
 $|AB| = |BC| = 5 \text{ cm}$
 $|CD| = 6 \text{ cm}$

Yukarıdaki verilere göre, $|AC| = x$ kaç cm dir?

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

12.



DAB bir dik üçgen
 C, D ve B doğrusal
 $m(\widehat{EDA}) = m(\widehat{ADB})$
 $|BD| = 3|CD|$

Yukarıdaki verilere göre, $\frac{|CE|}{|EA|}$ oranı kaçtır?

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