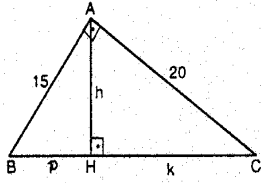


ÖZEL ÜÇGENLER TEST-2

1.

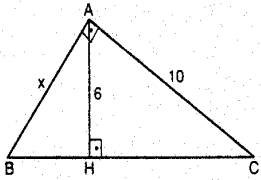


ABC bir diküçgen
 $[AB] \perp [AC]$
 $[AH] \perp [BC]$
 $AB = 15$ cm
 $AC = 20$ cm
 $AH = h$
 $BH = p$
 $HC = k$

Yukarıdaki verilere göre, $\frac{k-p}{h}$ oranı kaçtır?

- A) $\frac{1}{3}$ B) $\frac{5}{12}$ C) $\frac{1}{2}$ D) $\frac{7}{12}$ E) $\frac{2}{3}$

2.

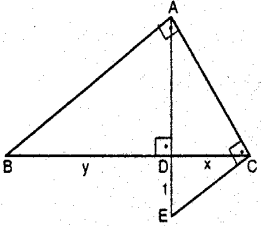


ABC bir diküçgen
 $[AB] \perp [AC]$
 $[AH] \perp [BC]$
 $AC = 10$ cm
 $AH = 6$ cm
 $AB = x$

Yukarıdaki verilere göre, $AB = x$ kaç cm dir?

- A) 7 B) $\frac{15}{2}$ C) 8 D) $\frac{17}{2}$ E) 9

3.

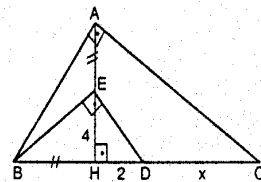


$[AB] \perp [AC]$
 $[AE] \perp [BC]$
 $[AC] \perp [CE]$
 $DE = 1$ cm
 $DC = x$
 $BD = y$

Yukarıdaki verilere göre, y nin x türünden karşılığı aşağıdakilerden hangisidir?

- A) $2x$ B) $3x$ C) x^2 D) x^3 E) x^4

4.

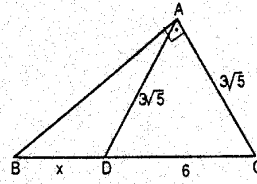


ABC ve EBD birer diküçgen
 $[AB] \perp [AC]$
 $[AH] \perp [BC]$
 $[EB] \perp [ED]$
 $AE = BH$
 $EH = 4$ cm
 $HD = 2$ cm

Yukarıdaki verilere göre, $DC = x$ kaç cm dir?

- A) 9 B) 10 C) 12 D) 14 E) 16

5.

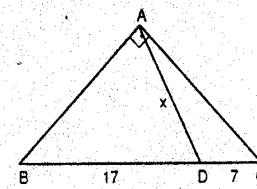


ABC bir diküçgen
 $[AB] \perp [AC]$
 $AD = AC = 3\sqrt{5}$ cm
 $DC = 6$ cm
 $BD = x$

Yukarıdaki verilere göre, $BD = x$ kaç cm dir?

- A) 6 B) 7 C) 8 D) 9 E) 10

6.

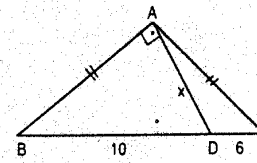


ABC ikizkenar diküçgen
 $[AB] \perp [AC]$
 $BD = 17$ cm
 $DC = 7$ cm
 $AD = x$

Yukarıdaki verilere göre, $AD = x$ kaç cm dir?

- A) 10 B) 12 C) 13 D) 15 E) 16

7.

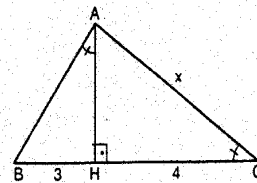


ABC bir üçgen
 $[AB] \perp [AD]$
 $AB = AC$
 $BD = 10$ cm
 $DC = 6$ cm
 $AD = x$

Yukarıdaki verilere göre, $AD = x$ kaç cm dir?

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

8.

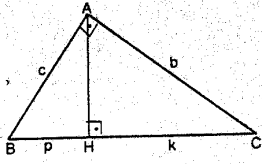


ABC bir üçgen
 $[AH] \perp [BC]$
 $m(\widehat{BAH}) = m(\widehat{ACB})$
 $BH = 3$ cm
 $HC = 4$ cm
 $AC = x$

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

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

9.

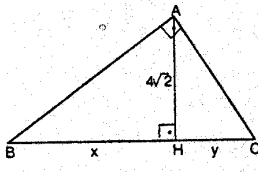


ABC bir diküçgen
 $[AB] \perp [AC]$
 $[AH] \perp [BC]$
 $|AB| = c$, $|AC| = b$
 $|BH| = p$, $|HC| = k$

Yukarıdaki verilere göre, $\frac{b}{c} = \frac{3}{2}$ ise $\frac{p}{k}$ oranı kaçtır?

- A) $\frac{4}{9}$ B) $\frac{1}{2}$ C) $\frac{3}{5}$ D) $\frac{2}{3}$ E) $\frac{3}{4}$

10.

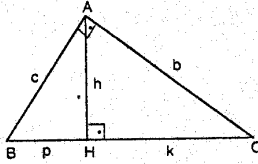


ABC bir diküçgen
 $[AB] \perp [AC]$
 $[AH] \perp [BC]$
 $|AH| = 4\sqrt{2}$ cm
 $|BH| = x$
 $|HC| = y$

Yukarıdaki verilere göre, $x^2 + y^2 = 80$ cm ise $x + y$ toplamı kaç cm dir?

- A) 8 B) 10 C) 12 D) 13 E) 16

11.

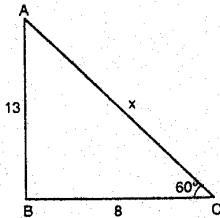


ABC bir diküçgen
 $[AB] \perp [AC]$
 $[AH] \perp [BC]$
 $|AB| = c$, $|AC| = b$
 $|BH| = p$, $|HC| = k$
 $|AH| = h$

Yukarıdaki verilere göre, $(p + k)^2 + b^2 + c^2 = 450$ ve $p + k + h = 21$ ise h kaçtır?

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

12.

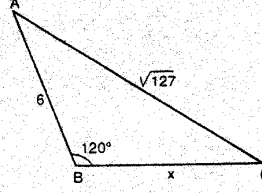


ABC bir üçgeninde
 $m(\widehat{ACB}) = 60^\circ$
 $|AB| = 13$ cm
 $|BC| = 8$ cm
 $|AC| = x$

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

- A) $8\sqrt{2}$ B) 12 C) $8\sqrt{3}$ D) 14 E) 15

13.

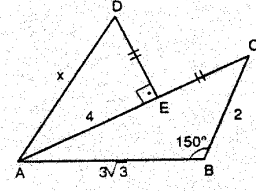


ABC bir üçgen
 $m(\widehat{CBA}) = 120^\circ$
 $|AB| = 6$ cm
 $|AC| = \sqrt{127}$ cm
 $|BC| = x$

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

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

14.

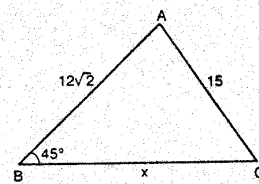


$[AC] \perp [DE]$
 $|EC| = |DE|$
 $m(\widehat{CBA}) = 150^\circ$
 $|AB| = 3\sqrt{3}$ cm
 $|BC| = 2$ cm
 $|AE| = 4$ cm
 $|AD| = x$

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

- A) $3\sqrt{2}$ B) $\sqrt{19}$ C) $2\sqrt{5}$ D) 5 E) 6

15.

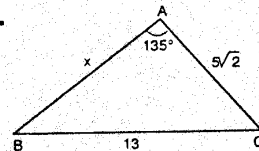


ABC bir üçgen
 $m(\widehat{CBA}) = 45^\circ$
 $|AB| = 12\sqrt{2}$ cm
 $|AC| = 15$ cm
 $|BC| = x$

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

- A) 16 B) 18 C) 19 D) 20 E) 21

16.



ABC bir üçgen
 $m(\widehat{BAC}) = 135^\circ$
 $|AC| = 5\sqrt{2}$ cm
 $|BC| = 13$ cm
 $|AB| = x$

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

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

YANITLAR

1-D 2-B 3-D 4-E 5-D 6-C 7-B 8-D 9-A 10-C
 11-B 12-E 13-C 14-D 15-E 16-A