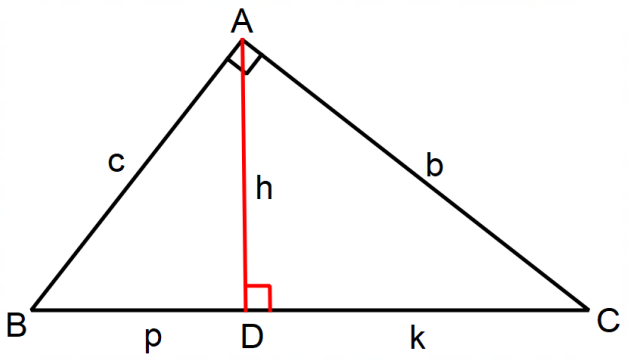
2- Öklit Formülleri :

Bir dik üçgende dik açıdan karşı kenara dik inilirse öklit formülleri kullanılır.

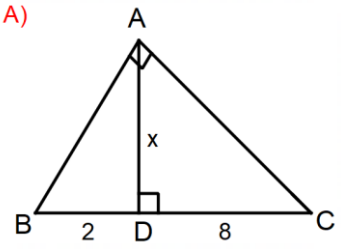


* $h^2 = p \cdot k$
* $c^2 = p \cdot (p+k)$
* $b^2 = k \cdot (p+k)$

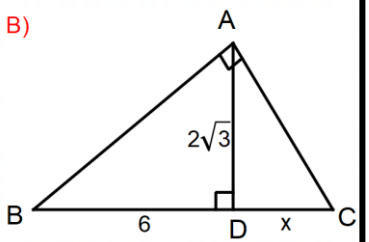
Sorular : $(h^2 = p \cdot k)$

1. Aşağıdaki dik üçgenlerde x uzunlukları kaç birimdir bulunuz?

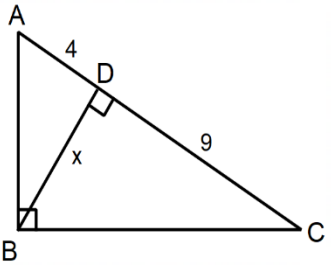
A)



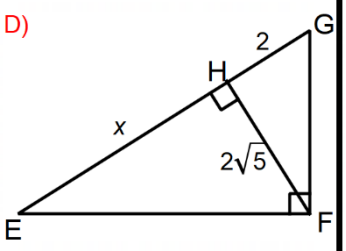
B)



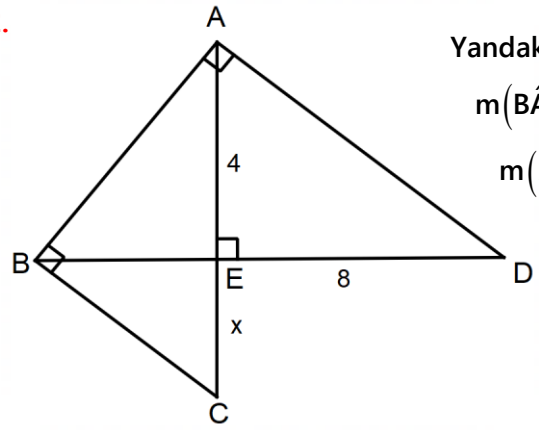
C)



D)



2.



Yandaki şekilde,

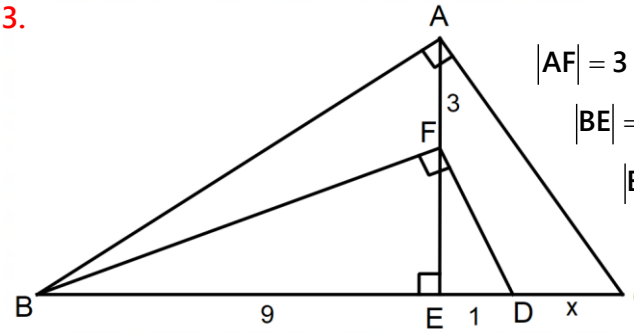
$m(B\hat{A}D) = 90°$

$m(A\hat{E}D) = 90°$

$m(C\hat{B}A) = 90°$

$|AE| = 4$ br $|DE| = 8$ br ise $|CE|$ kaç birimdir?

3.



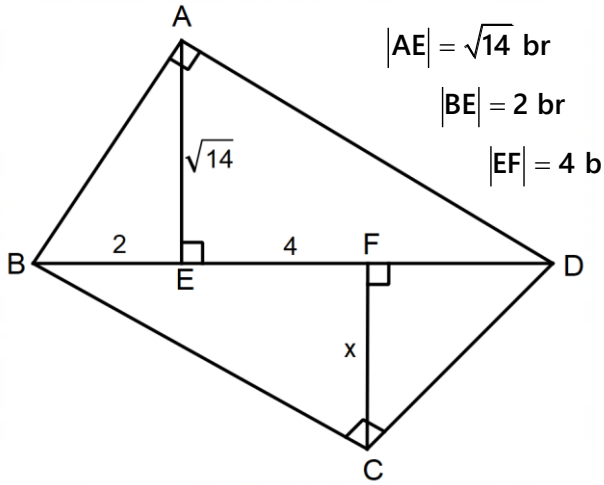
$|AF| = 3$ br

$|BE| = 9$ br

$|ED| = 1$ br

BAC ve BFD dik üçgen, $[AE] \perp [BC]$ ise x kaç birimdir?

4.



$|AE| = \sqrt{14}$ br

$|BE| = 2$ br

$|EF| = 4$ br

BAD ve BCD dik üçgen, $[AE] \perp [BD]$, $[CF] \perp [BD]$ ise x kaç birimdir?

1) A) 4 B) 2 C) 6 D) 10 2) 1 3) 3 4) $3\sqrt{2}$

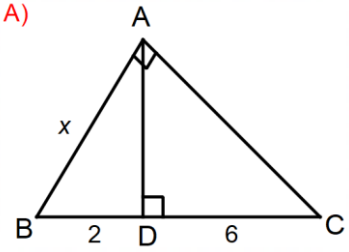
Dik ve Özel Üçgenler

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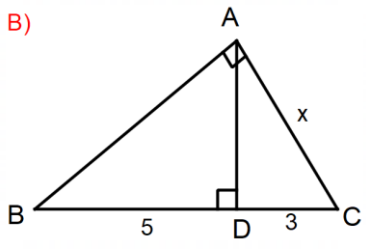
Sorular : $c^2 = p \cdot (p+k)$ ve $b^2 = k \cdot (p+k)$

5. Aşağıdaki dik üçgenlerde x uzunlukları kaç birimdir bulunuz?

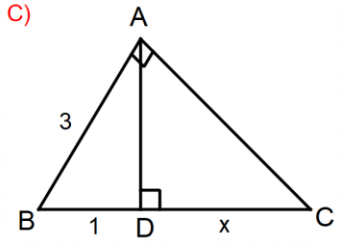
A)



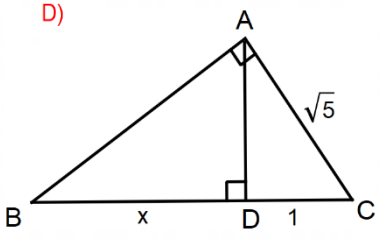
B)



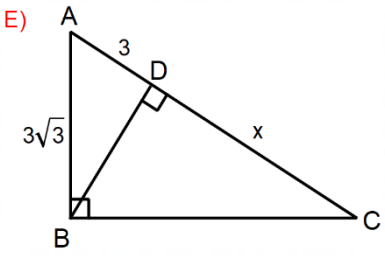
C)



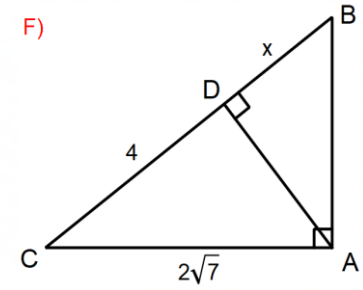
D)



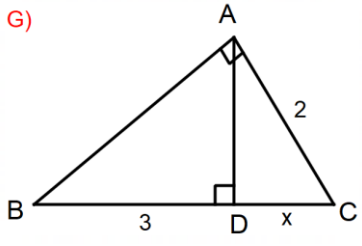
E)



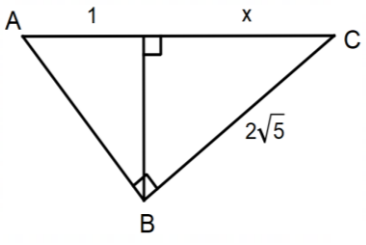
F)



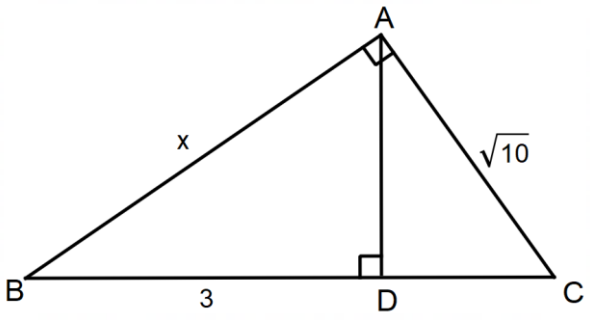
G)



H)



6.

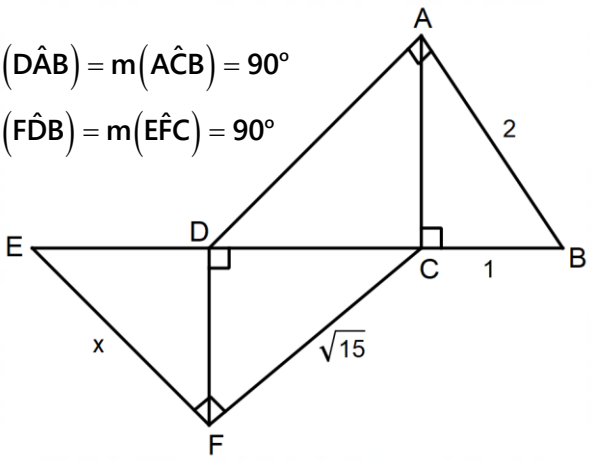


BAC dik üçgeninde $[AD] \perp [BC]$,

$|AC| = \sqrt{10}$ br , $|BD| = 3$ br ise $|AB|$ kaç br dir?

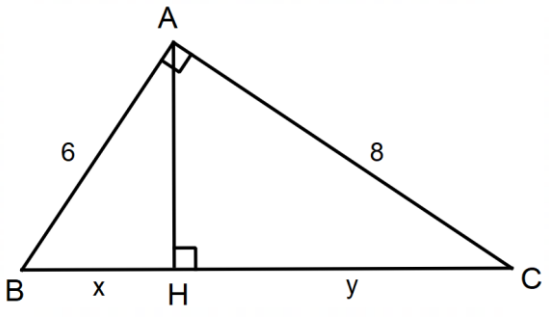
7. $m(D\hat{A}B) = m(A\hat{C}B) = 90°$

$m(F\hat{D}B) = m(E\hat{F}C) = 90°$



Yukarıda verilenlere göre x kaç birimdir?

8.



ABC dik üçgen, $[AH] \perp [BC]$, $|AB| = 6$, $|AC| = 8$ ise x ve y kaçar birimdir?

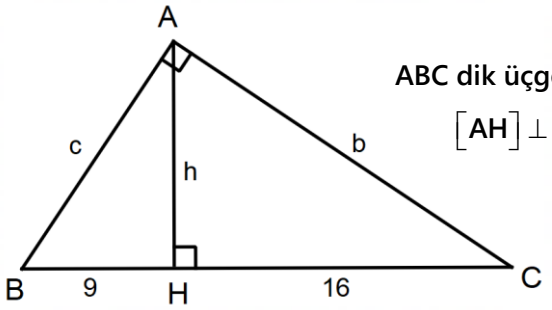
5) A) 4 B) $2\sqrt{6}$ C) 8 D) 4 E) 6 F) 3 G) 1 H) 4 6) $\sqrt{15}$ 7) $\sqrt{10}$ 8) x = 3,6 y = 6,4

Dik ve Özel Üçgenler

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Sorular : Tüm öklit formülleri

9.

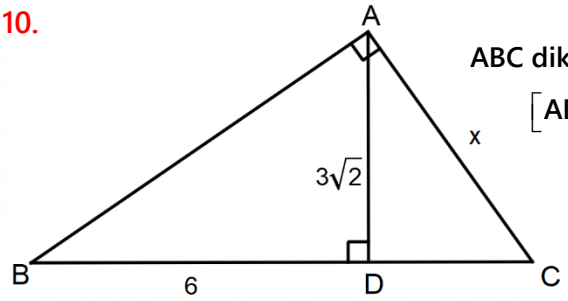


ABC dik üçgeninde

$[AH] \perp [BC]$

c, h, b uzunlukları kaçar birimdir?

10.

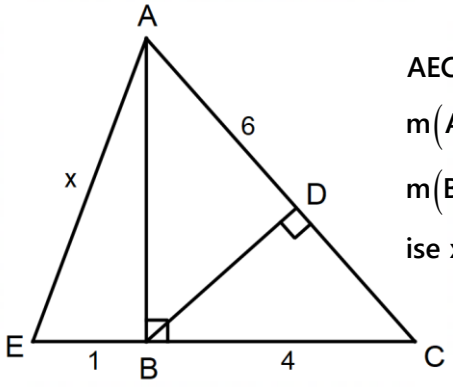


ABC dik üçgeninde

$[AD] \perp [BC]$

$[AC]$ kaç birimdir?

11.



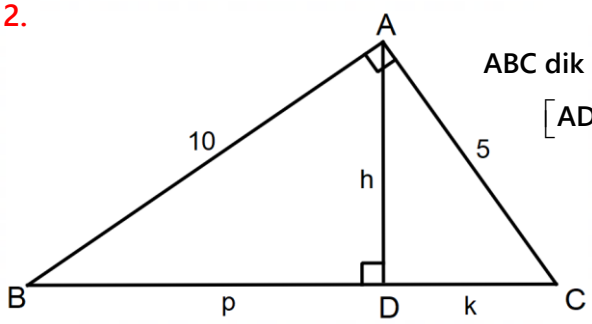
AEC üçgeninde,

$m(A\hat{B}C) = 90°$

$m(B\hat{D}C) = 90°$

ise x kaç birimdir?

12.



ABC dik üçgeninde

$[AD] \perp [BC]$

p, h, k uzunlukları kaçar birimdir?

13.

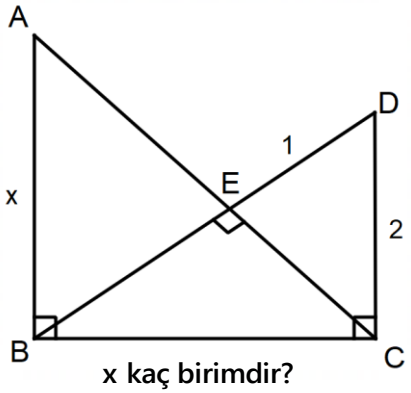
$m(A\hat{B}C) = 90°$

$m(B\hat{C}D) = 90°$

$[BD] \perp [AC]$

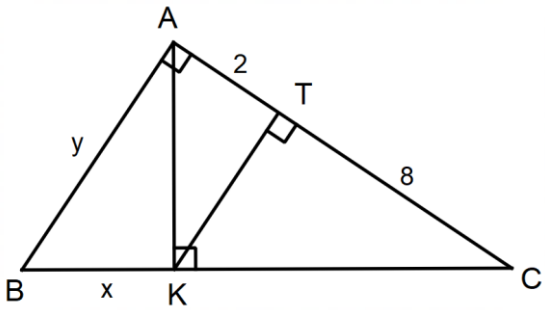
$|ED| = 1$

$|CD| = 2$



x kaç birimdir?

14.



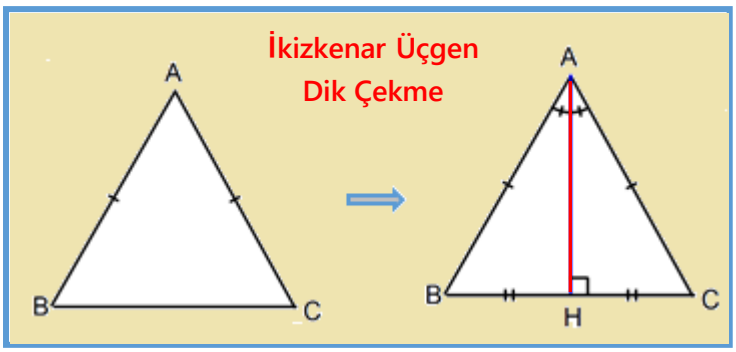
BAC dik üçgeninde, $m(A\hat{K}C) = 90°$ $m(K\hat{T}C) = 90°$

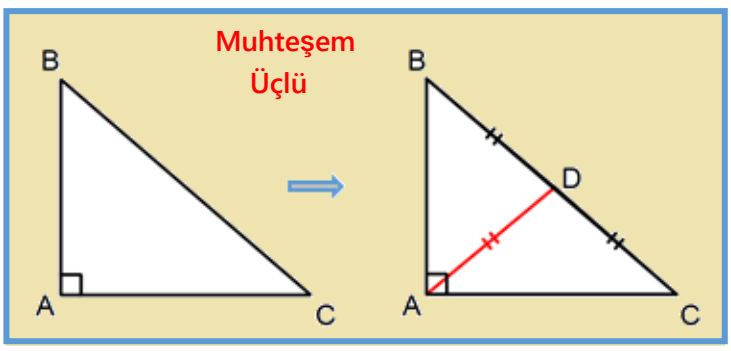
$|AT| = 2$ br $|TC| = 8$ br

ise x ve y kaç birimdir?

Dik ve Özel Üçgenler

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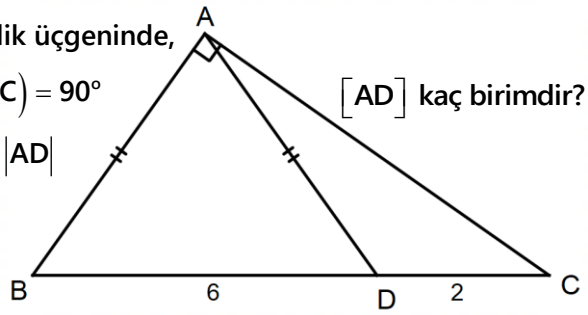
Sorular :

15. BAC dik üçgeninde,

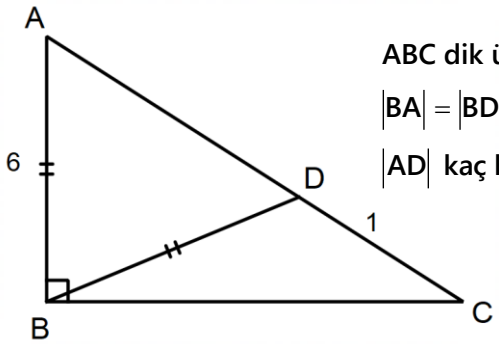
$m(\widehat{BAC}) = 90°$

$|AB| = |AD|$

$[AD]$ kaç birimdir?



16.

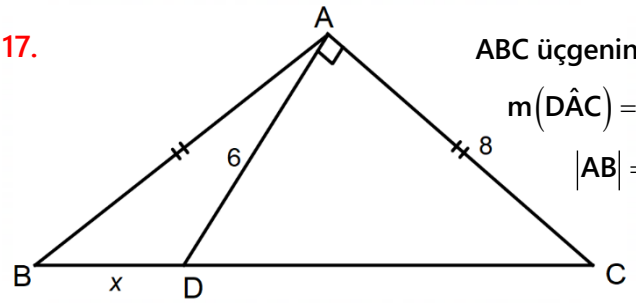


ABC dik üçgeninde,

$|BA| = |BD|$

$|AD|$ kaç birimdir?

17.



ABC üçgeninde,

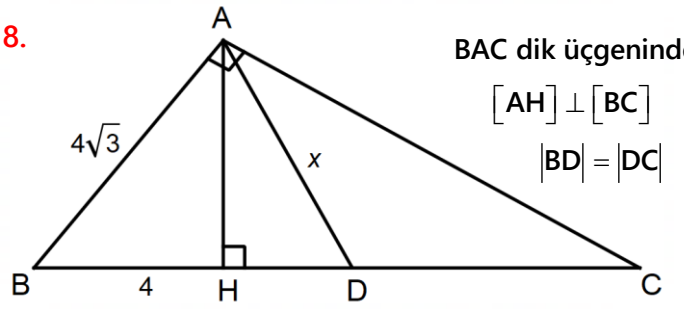
$m(\widehat{DAC}) = 90°$

$|AB| = |AC|$

Yukarıda verilenlere göre x kaç birimdir?

Sorular :

18.



BAC dik üçgeninde

$[AH] \perp [BC]$

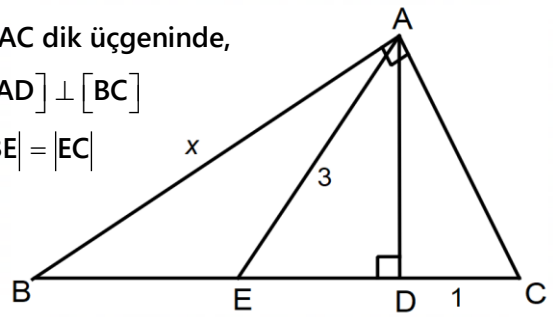
$|BD| = |DC|$

$|AD|$ kaç birimdir?

19. BAC dik üçgeninde,

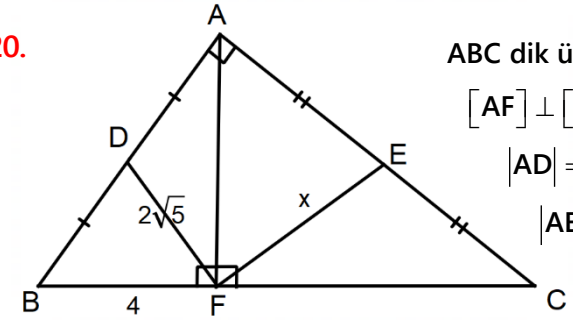
$[AD] \perp [BC]$

$|BE| = |EC|$



x kaç birimdir?

20.



ABC dik üçgeninde

$[AF] \perp [BC]$

$|AD| = |DB|$

$|AE| = |EC|$

$[FE]$ kaç birimdir?

15) $2\sqrt{6}$ 16) 8 17) 2,8 18) 6 19) $\sqrt{30}$ 20) $4\sqrt{5}$