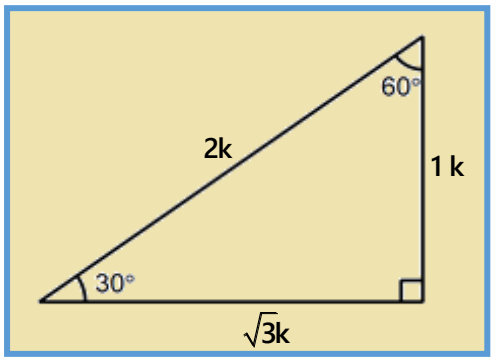
Video Anlatım

Dik ve Özel Üçgenler

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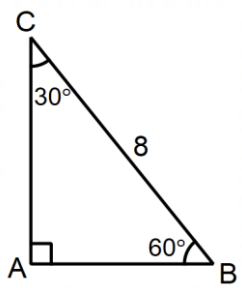
3A – Özel Açılı Üçgenler (30° - 60° - 90° Üçgeni) :



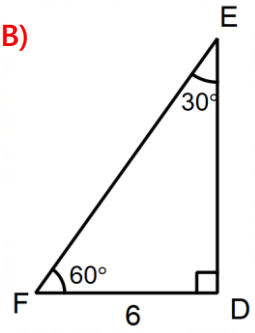
Sorular :

1. Aşağıdaki üçgenlerin kenar uzunluklarını bulun.

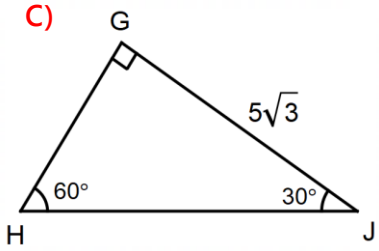
A)



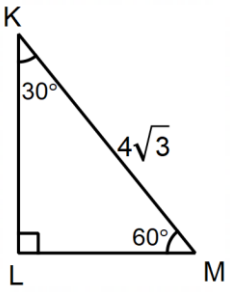
B)



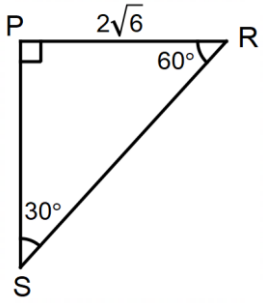
C)



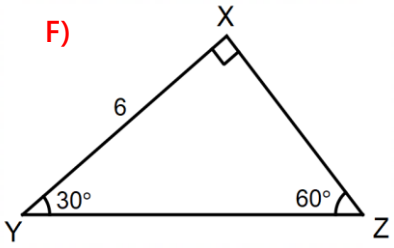
D)



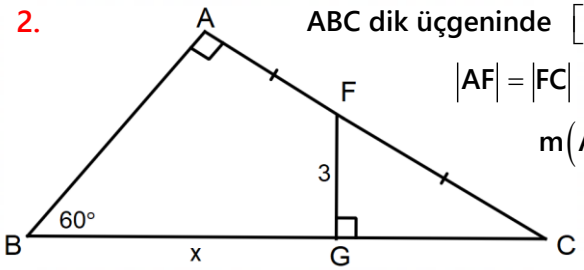
E)



F)



2.



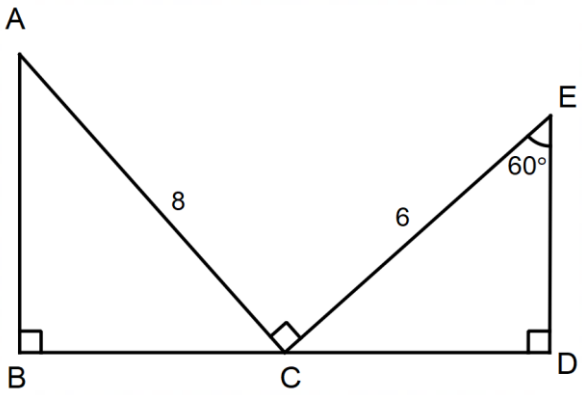
ABC dik üçgeninde $[FG] \perp [BC]$

$|AF| = |FC|$

$m(A\hat{B}C) = 60°$

$[BG]$ kenarı kaç birimdir?

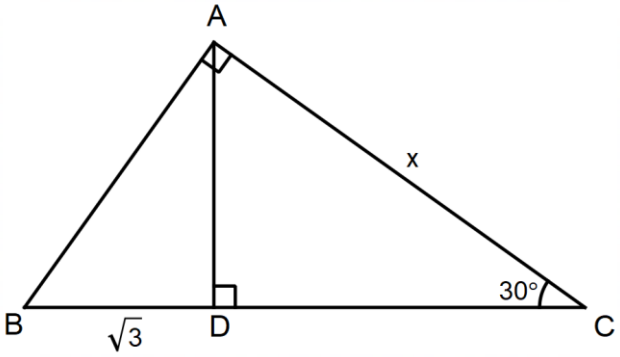
3.



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

$m(C\hat{E}D) = 60°$ ise $|BD|$ kaç birimdir?

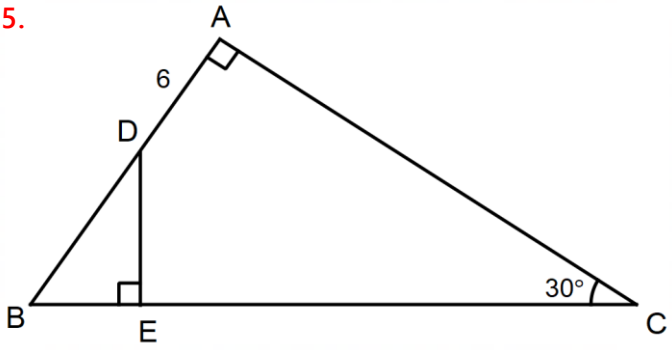
4.



BAC dik üçgeninde $[AD] \perp [BC]$ $m(A\hat{C}B) = 30°$

Buna göre $|AC|$ kaç birimdir?

5.



ABC dik üçgeninde,

$m(B\hat{C}A) = 30°$ $|AD| = 6$ br $|CE| = 5.|BE|$

$|AC|$ kaç birimdir?

1) A) $|AB| = 4$ B) $|EF| = 12$ C) $|HG| = 5$ D) $|ML| = 2\sqrt{3}$ E) $|PS| = 6\sqrt{2}$ F) $|XZ| = 2\sqrt{3}$ 2) $5\sqrt{3}$ 3) $4 + 3\sqrt{3}$ 4) 6 5) $18\sqrt{3}$

$|AC| = 4\sqrt{3}$ $|ED| = 6\sqrt{3}$ $|HJ| = 10$ $|KL| = 6$ $|RS| = 4\sqrt{6}$ $|YZ| = 4\sqrt{3}$

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6.

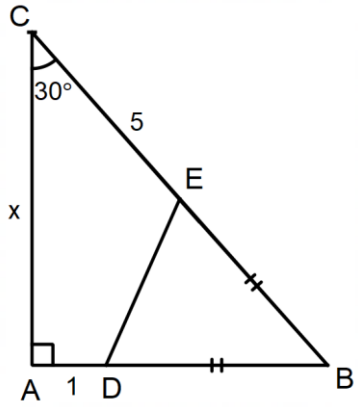
CAB dik üçgeninde,

$[BD] = [BE]$

$m(A\hat{C}B) = 30°$

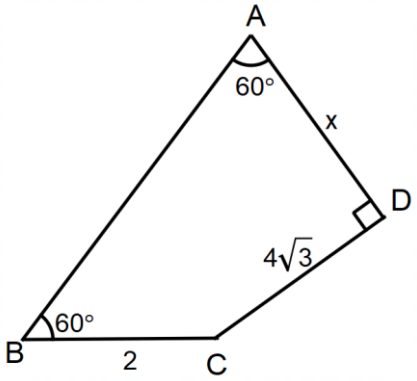
$|AD| = 1$ br

$|CE| = 5$ br



Yukarıda verilenlere göre $|AC|$ kaç birimdir?

7.

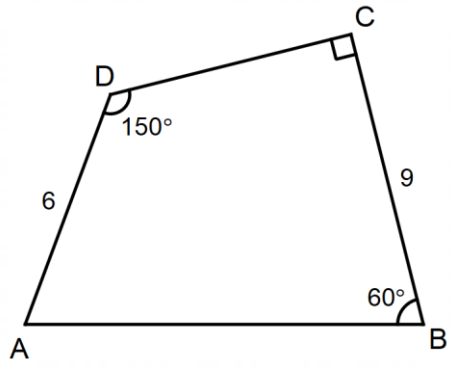


ABCD dörtgeninde,

$m(A\hat{B}C) = m(B\hat{A}D) = 60°$ $m(C\hat{D}A) = 90°$

$|BC| = 2$ br $|CD| = 4\sqrt{3}$ br $|AD|$ kaç birimdir?

8.

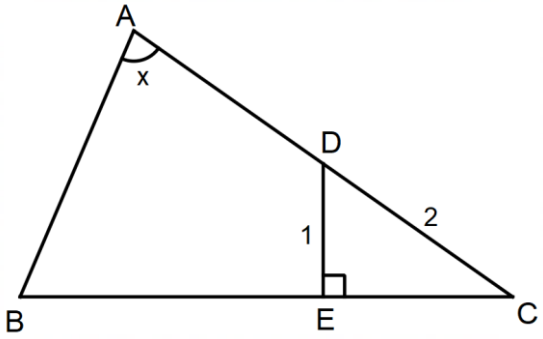


ABCD dörtgeninde,

$m(A\hat{B}C) = 60°$ $m(D\hat{C}B) = 90°$ $m(A\hat{D}C) = 150°$

$|AD| = 6$ br $|BC| = 9$ br $|AB|$ kaç birimdir?

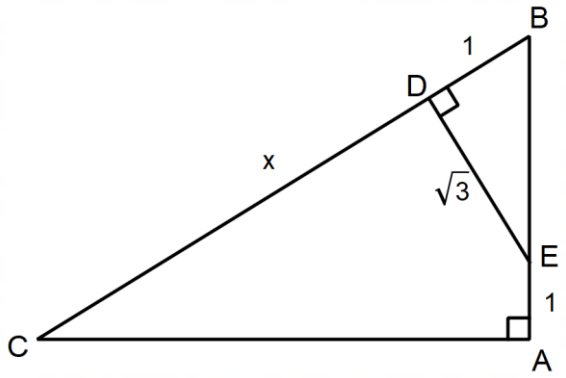
9.



ABC ikizkenar üçgeninde $|CA| = |CB|$,

$|CD| = 2$ br $|DE| = 1$ br ise x açısı kaç derecedir?

10.

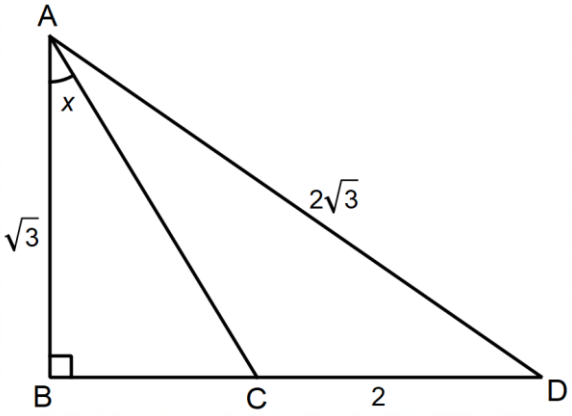


ABC dik üçgeninde, $m(B\hat{D}E) = 90°$

$|BD| = |AE| = 1$ br $|DE| = \sqrt{3}$ br

$|CD|$ kaç birimdir?

11.



ABD dik üçgeninde,

$|AB| = \sqrt{3}$ br $|CD| = 2$ br $|AD| = 2\sqrt{3}$ br

$m(B\hat{A}C)$ kaç derecedir?