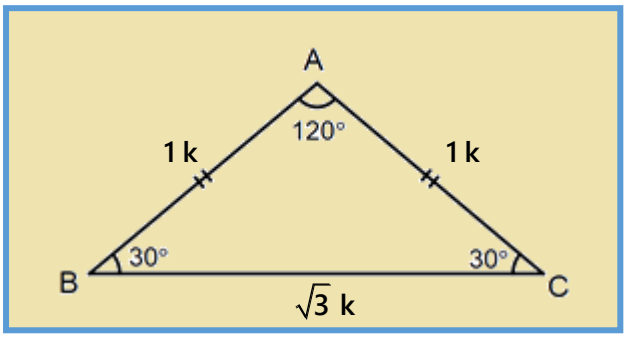
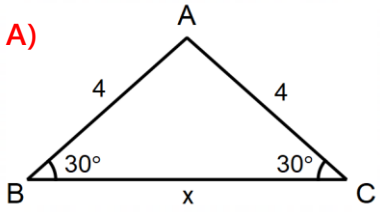
3C – Özel Açılı Üçgenler (30° - 120° - 30° Üçgeni)



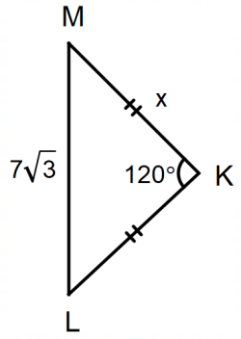
Sorular :

1. Aşağıdaki üçgenlerde x uzunluklarını bulun.

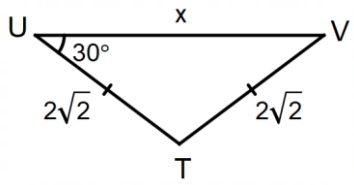
A)



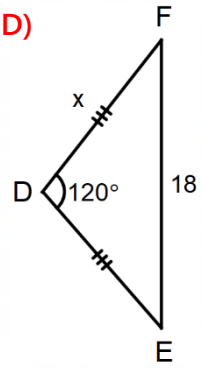
B)



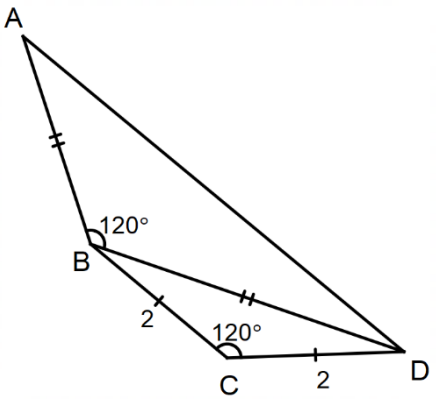
C)



D)



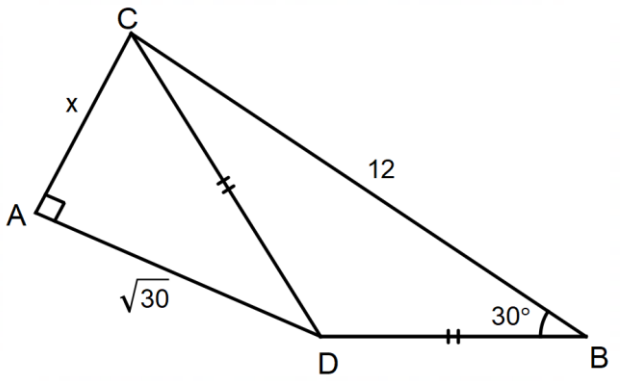
2.



ABCD dörtgeninde, $m(B\hat{C}D)=m(A\hat{B}D)=120°$

$|CB|=|CD|=2$ br $|BA|=|BD|$ ise $|AD|$ kaç birimdir?

3.

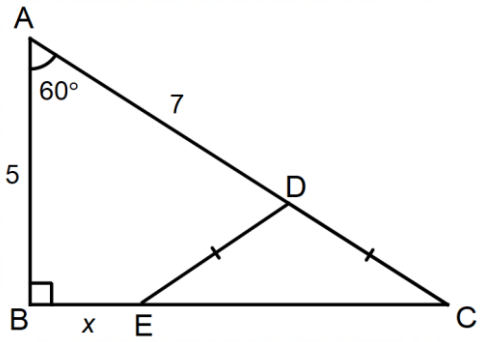


ADBC dörtgeninde, $m(D\hat{B}C)=30°$, $|DB|=|DC|$

$|BC|=12$ br , $|AD|=\sqrt{30}$ br ise

$|AC|$ kaç birimdir?

4.

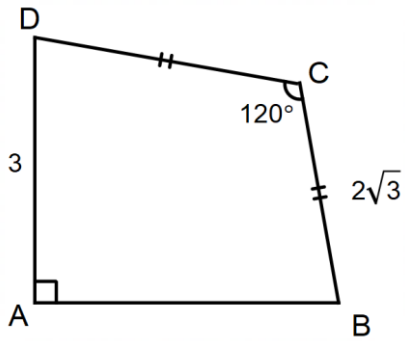


ABC dik üçgeninde, $m(B\hat{A}C)=60°$

$|DE|=|DC|$ $|AB|=5$ br $|AD|=7$ br ise

$|BE|$ kaç birimdir?

5.



ABCD dörtgeninde, $m(B\hat{C}D)=120°$, $m(B\hat{A}D)=90°$

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

$m(A\hat{D}C)$ kaç derecedir?

1) A) $4\sqrt{3}$ B) 7 C) $2\sqrt{6}$ D) $6\sqrt{3}$ 2) 6 3) $3\sqrt{2}$ 4) $2\sqrt{3}$ 5) 90°