

..... Anadolu Lisesi  
2009-2010 Eğitim-Öğretim Yılı II.Dönem  
10FEN-A Sınıfı GEOMETRİ I.Yazılı Sınav Soruları-A

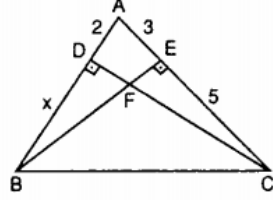
Adı Soyadı: \_\_\_\_\_

No: \_\_\_\_\_

Puanı: \_\_\_\_\_

1.

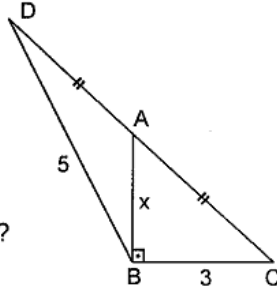
ABC üçgeninde  
[CD]  $\perp$  [AB]  
[BE]  $\perp$  [AC]  
|AD| = 2 cm  
|AE| = 3 cm  
|EC| = 5 cm ise,



|BD| = x kaç cm dir?

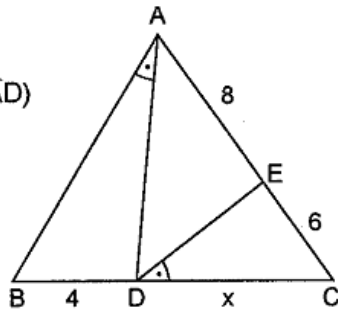
2.

Şekilde;  
[AB]  $\perp$  [BC]  
|DB| = 5 cm  
|BC| = 3 cm  
|DA| = |AC| ise  
|AB| = x kaç cm dir?



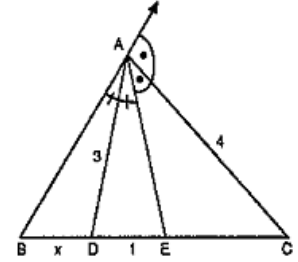
3.

Şekilde;  
|AB| = |AC|  
 $m(\widehat{EDC}) = m(\widehat{BAD})$   
|AE| = 8 cm  
|EC| = 6 cm  
|BD| = 4 cm  
|DC| = x  
kaç cm dir?



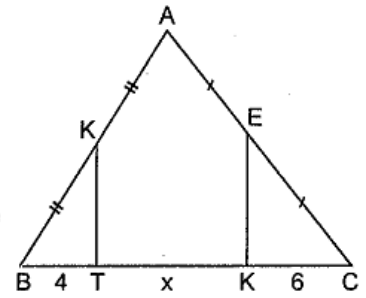
4.

Şekilde;  
[AD] ve [AC]  
açıortay  
|AD| = 3 br  
|AC| = 4 br ve  
|DE| = 1 br ise  
|BD| = x kaç br dir?



5.

Şekilde;  
[KT] // [EK]  
|AK| = |KB|  
|AE| = |EC|  
|BT| = 4 cm  
|FK| = 6 cm ise  
|TF| = x  
kaç cm dir?



6.

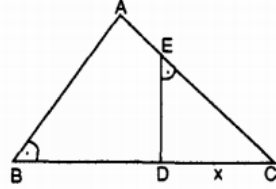
Şekilde ABC bir üçgen;

$$m(\widehat{ABC}) = m(\widehat{DEC})$$

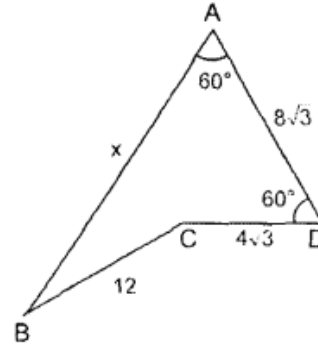
$$\frac{A(DEC)}{A(ABDE)} = \frac{1}{2}$$

$|AC| = 9$  birim ise,

$|DC| = x$  kaç birimdir?



9.



$$|AD| = 8\sqrt{3} \text{ cm}$$

$$|CD| = 4\sqrt{3} \text{ cm}$$

$$|BC| = 12 \text{ cm}$$

$$m(\widehat{BAD}) = m(\widehat{ADC}) = 60^\circ$$

olduğuna göre,  $|AB| = x$  kaç cm dir?

7.

Şekilde;

$$|FE| = |EC|$$

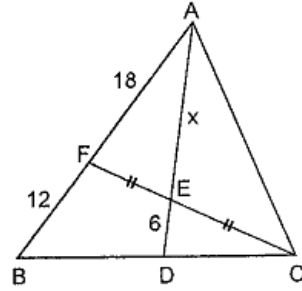
$$|AF| = 18 \text{ cm}$$

$$|FB| = 12 \text{ cm}$$

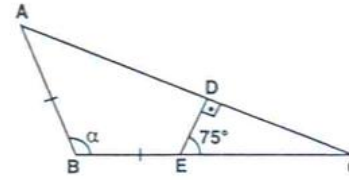
$$|DE| = 4 \text{ cm ise}$$

$$|AE| = x$$

kaç cm dir?



10.



ABC bir üçgen

$$[DE] \perp [AC]$$

$$|AB| = |BE|, |DE| = 1 \text{ cm}$$

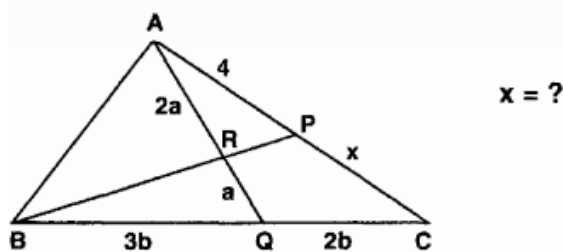
$$|AC| = 4 + 2\sqrt{3} \text{ cm}$$

$$m(\widehat{DEC}) = 75^\circ$$

$$m(\widehat{ABC}) = \alpha$$

Yukarıdaki verilere göre,  $m(\widehat{ABC}) = \alpha$  kaç derecedir?

8.



$$x = ?$$

Not: Her sorunun doğru cevabı 10 puan olup süre bir ders saatidir.

.....  
Mat.Öğrt.

Başarılar