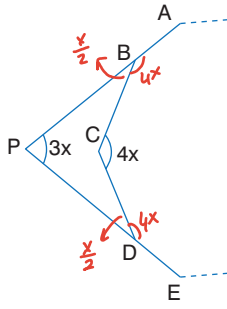


1.



ABCDE... düzgün

çokgen

$$m(\widehat{BCD}) = 4x^\circ$$

$$m(\widehat{APE}) = 3x^\circ$$

$$4x + \frac{x}{2} = 180$$

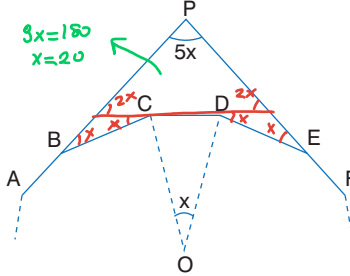
$$\frac{9x}{2} = 180 \quad x = 40$$

$$\frac{360}{n} = 20 \quad n = 18$$

Yukarıdaki verilere göre, düzgün çokgen kaç kenarlıdır?

- A) 10 B) 12 C) 15 **D) 18** E) 20

2.



O, ABCDEF...

düzgün çokge-

nin

ağırlık merkezi

$$m(\widehat{APF}) = 5x$$

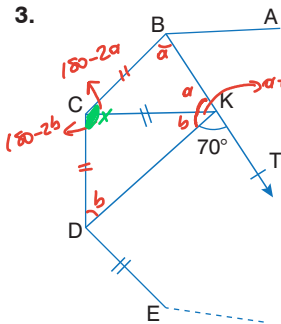
$$m(\widehat{COD}) = x$$

Yukarıdaki verilere göre, düzgün çokgen kaç kenarlıdır?

- A) 12 B) 15 **C) 18** D) 20 E) 24

$$\frac{360}{n} = x \quad \frac{360}{n} = 20 \quad n = 18$$

3.



ABCDE...

düzgün çokgen

B, K, T doğrusal

$$|CK| = |DE|$$

$$m(\widehat{DKT}) = 70^\circ$$

$$x = 180 - 2a + 180 - 2b$$

$$x = 360 - 220$$

$$x = 140$$

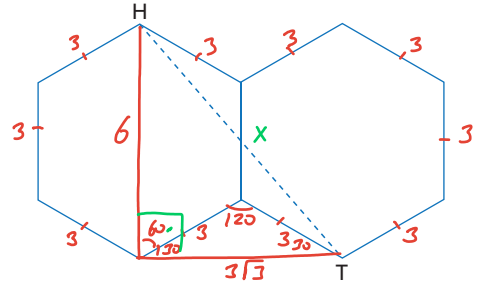
$$\text{Dış açı} = 40 \text{ dir.}$$

Yukarıdaki verilere göre, düzgün çokgen kaç kenarlıdır?

$$\frac{360}{n} = 40 \quad n = 9$$

- A) 9** B) 10 C) 12 D) 15 E) 18

4.



$$\frac{30}{10} = 3$$

Düzgün altıgenlerden oluşan şeklin çevresi 30 cm ise |HT| kaç cm'dir?

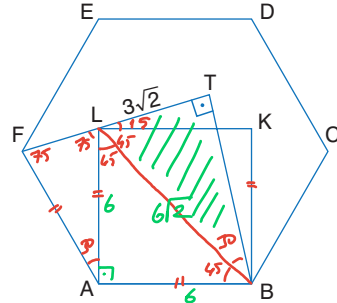
- A) 6 B) $3\sqrt{5}$ C) $2\sqrt{15}$ **D) $3\sqrt{7}$** E) 10

$$x^2 = 6^2 + 3\sqrt{3}^2$$

$$x^2 = 36 + 27$$

$$x^2 = 63 \quad x = 3\sqrt{7}$$

5.



ABCDEF

düzgün altıgen

ABKL kare

$$[FT] \perp [BT]$$

$$|TL| = 3\sqrt{2} \text{ cm}$$

$$\text{Alan} = 6 \cdot \frac{a^2 \sqrt{3}}{4} = \frac{6 \cdot 6^2 \sqrt{3}}{4} = \frac{54\sqrt{3}}{1}$$

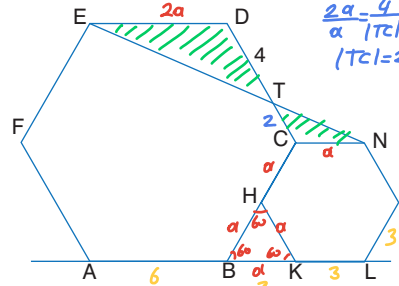
Yukarıdaki verilere göre, A(ABCDEF) kaç cm^2 'dir?

- A) $30\sqrt{3}$ B) $36\sqrt{3}$ C) $42\sqrt{3}$

$$\text{D) } 48\sqrt{3}$$

$$\text{E) } 54\sqrt{3}$$

6.



$$\frac{2a}{a} = \frac{4}{|TC|}$$

$$|TC| = 2$$

ABCDEF ve

KLMNCH

düzgün

altıgen

A, B, K, L

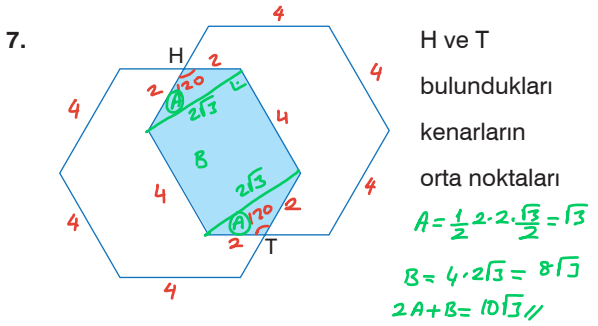
doğrusal

$$[EN] \cap [DC] = \{T\}$$

$$|DT| = 4 \text{ cm}$$

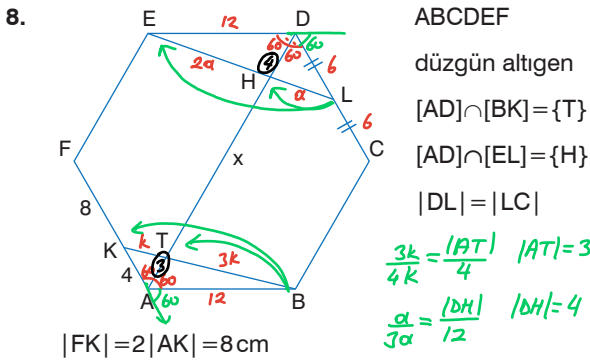
Yukarıdaki verilere göre, |AL| kaç cm'dir?

- A) 10 **B) 12** C) 15 D) 18 E) 20



Yukarıda eş iki düzgün altıgenden oluşan şeklin çevresi 32 cm ise taralı alan kaç cm^2 'dir?

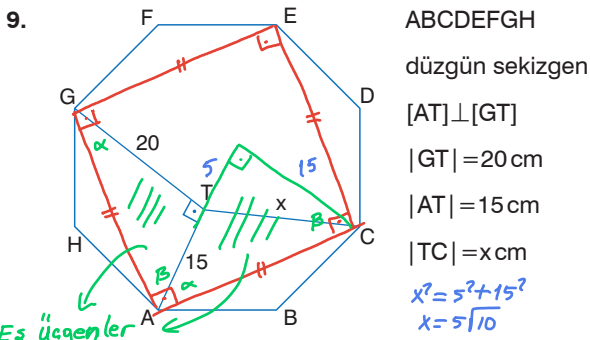
- A) $6\sqrt{3}$ B) $7\sqrt{3}$ C) $8\sqrt{3}$ D) $9\sqrt{3}$ E) $10\sqrt{3}$



Yukarıdaki verilere göre, |HT| = x kaç cm'dir?

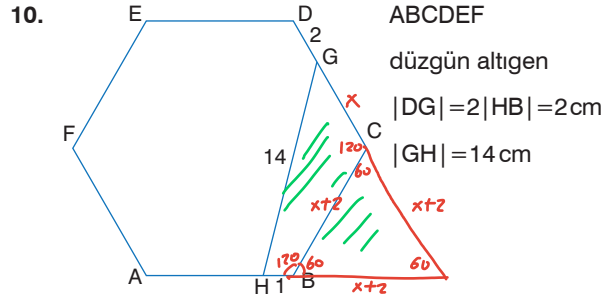
- A) 10 B) 12 C) 13 D) 15 E) 17

$|AD| = 24 \quad x + 7 = 24 \quad x = 17$



Yukarıdaki verilere göre, |TC| = x kaç cm'dir?

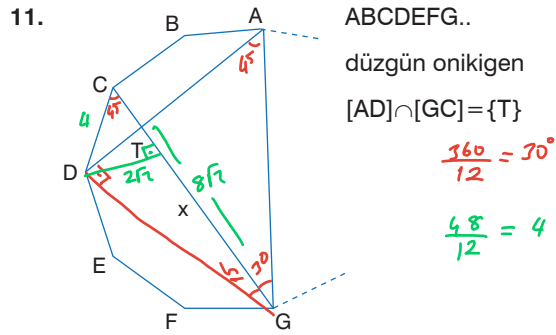
- A) $5\sqrt{5}$ B) 15 C) $5\sqrt{10}$ D) 20 E) 25



Yukarıdaki verilere göre, altıgenin çevresi kaç cm'dir?

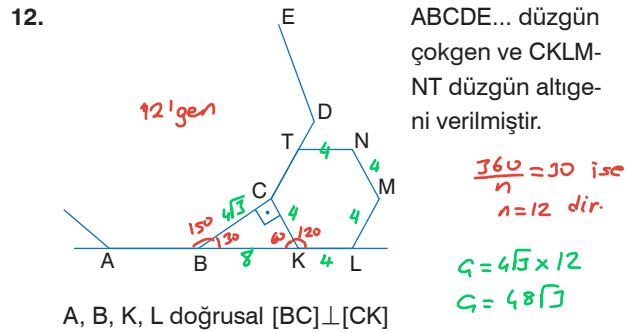
- A) 42 B) 54 C) 56 D) 64 E) 72

cosinüs teoremi $\Rightarrow 14^2 = (x+3)^2 + (2x+2)^2 - 2(x+3)(2x+2) \cdot \frac{1}{2}$
 $x = 7 \quad G = 3 \times 6 = 54$



Düzgün onikgenin çevresi 48 cm ise, |TG| = x kaç cm'dir?

- A) 8 B) 10 C) $3\sqrt{2}$ D) 12 E) $12\sqrt{2}$



Düzgün altıgenin çevresi 24 cm ise ABCDE.. düzgün çokgeninin çevresi kaç cm'dir?

- A) $30\sqrt{3}$ B) $32\sqrt{3}$ C) $36\sqrt{3}$ D) $40\sqrt{3}$ E) $48\sqrt{3}$