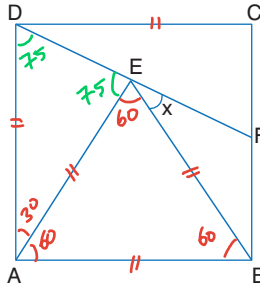
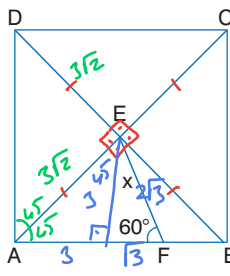
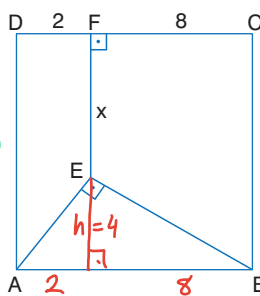
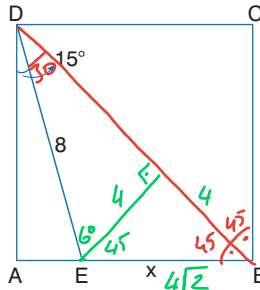
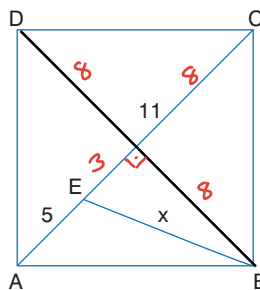


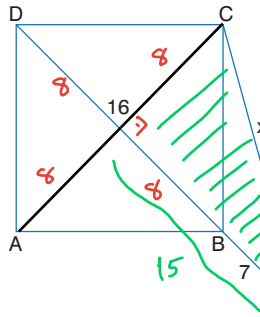
1.  ABCD kare
ABE eşkenar
üçgen
D, E, F doğrusal
 $75 + 60 + x = 180$
 $x = 45$
- Buna göre $m(\widehat{BEF}) = x$ kaçtır?
- A) 15 B) 30 C) 45 D) 60 E) 75

2.  ABCD kare
 $[AC] \cap [BD] = \{E\}$
 $m(\widehat{AFE}) = 60^\circ$
 $A(ABCD) = 36 \text{ cm}^2$
 $A1a1 = a^2$
 $36 = a^2$
 $6 = a$
- Buna göre, $|EF| = x$ kaç cm'dir?
- A) 3 B) $2\sqrt{3}$ C) $3\sqrt{3}$ D) 6 E) $4\sqrt{3}$

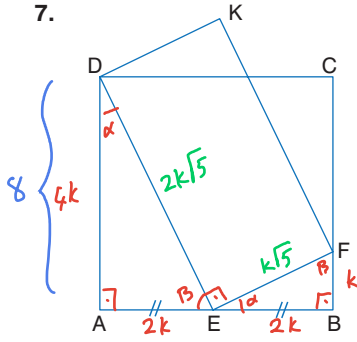
3.  ABCE kare
 $[EF] \perp [DC]$
 $[AE] \perp [EB]$
 $|DF| = 2 \text{ cm}$
 $|FC| = 8 \text{ cm}$
 $h^2 = 2 \cdot 8$
 $h = 4$
- Buna göre, $|EF| = x$ kaç cm'dir?
- A) 3 B) 4 C) 5 D) 6 E) 7
- $4 + x = 10$
 $x = 6$

4.  ABCD kare
 $m(\widehat{ADE}) = 15^\circ$
 $|DE| = 8 \text{ cm}$
- Buna göre, $|EB| = x$ kaç cm'dir?
- A) $4\sqrt{3}$ B) 6 C) $4\sqrt{2}$ D) 5 E) 4

5.  ABCD kare
 $[AC]$ köşegen
 $|AE| = 5 \text{ cm}$
 $|EC| = 11 \text{ cm}$
 $x^2 = 3^2 + 8^2$
 $x = \sqrt{73}$
- Buna göre, $|EB| = x$ kaç cm'dir?
- A) $3\sqrt{5}$ B) 7 C) $2\sqrt{15}$ D) $6\sqrt{2}$ E) $\sqrt{73}$

6.  ABCD kare
D, B, E doğrusal
 $|DB| = 16 \text{ cm}$
 $|BE| = 7 \text{ cm}$
 $x^2 = 8^2 + 15^2$
 $x = 17$
- Buna göre, $|EC| = x$ kaç cm'dir?
- A) 17 B) 16 C) 15 D) 13 E) 10

7.



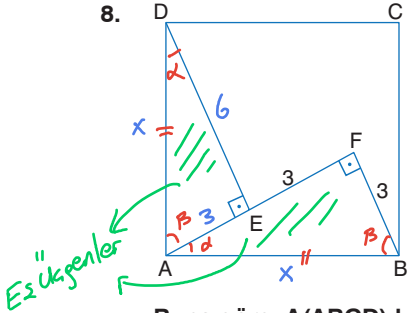
ABCD kare
DEFK dikdörtgen
 $|AE| = |EB|$
 $A(DEFK) = 40 \text{ cm}^2$
 $k\sqrt{5} \cdot 2k\sqrt{5} = 40$
 $k^2 = 4$
 $k = 2$

Buna göre, $A(ABCD)$ kaç cm^2 'dir?

- A) 64 B) 72 C) 80 D) 96 E) 100

$Ala n = a^2 = 8^2 = 64$

8.

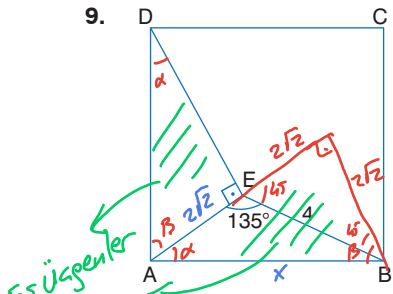


ABCD kare
 $[DE] \perp [AF]$
 $[AF] \perp [FB]$
 $|EF| = |FB| = 3 \text{ cm}$
 $x^2 = 3^2 + 6^2$
 $x^2 = 45$

Buna göre, $A(ABCD)$ kaç cm^2 'dir?

- A) 25 B) 27 C) 36 D) 40 E) 45

9.

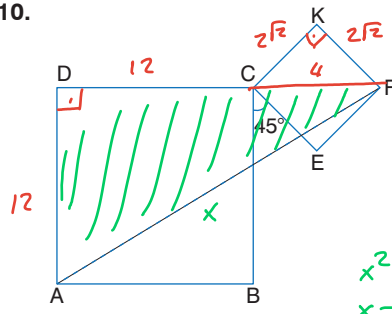


ABCD kare
 $[DE] \perp [AE]$
 $m(\hat{AEB}) = 135^\circ$
 $|EB| = 4 \text{ cm}$
 $x^2 = 2\sqrt{2}^2 + 4^2$
 $x^2 = 40$

Buna göre, $A(ABCD)$ kaç cm^2 'dir?

- A) 25 B) 30 C) 36 D) 40 E) 45

10.

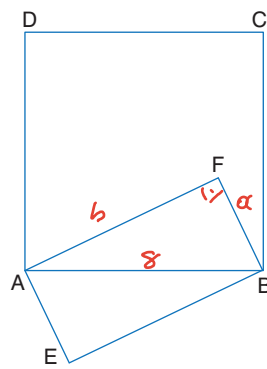


ABCD ve CEFK
kare
 $m(\hat{BCE}) = 45^\circ$
 $A(CEFK) = 8 \text{ cm}^2$
 $A(ABCD) = 144 \text{ cm}^2$
 $x^2 = 12^2 + 16^2$
 $x = 20$

Buna göre, $|AF|$ kaç cm 'dir?

- A) 13 B) 15 C) 20 D) 24 E) 25

11.

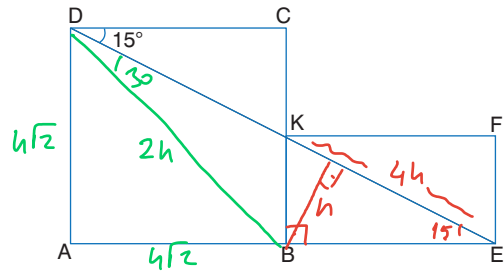


ABCD kare
AEBF dikdörtgen
 $A(AEBF) = 40 \text{ cm}^2$
 $A(ABCD) = 64 \text{ cm}^2$
 $a^2 + b^2 = 64$
 $a \cdot b = 40$
 $(a+b)^2 = a^2 + b^2 + 2ab$
 $(a+b)^2 = 64 + 80$
 $a+b = 12$
 $c = 2(a+b) = 24$

Buna göre, $\text{Ç}(AEBF)$ kaç cm 'dir?

- A) 18 B) 24 C) 30 D) 22 E) 36

12.



ABCD kare, BEFK dikdörtgen, $m(\hat{CDE}) = 15^\circ$

Buna göre, karenin alanının dikdörtgenin alanına oranı kaçtır?

- A) $\frac{1}{2}$ B) $\frac{2}{3}$ C) 1 D) $\frac{3}{2}$ E) 2

$A(ABCD) = h\sqrt{2}^2 = 2h^2 = \frac{1}{2}$
 $A(BEFK) = 4 \cdot h \cdot h = 4h^2 = 2$