

یونلند
uniland.ir

همراه شما
در مسیر یوس

سوالات یوس ۲۰۱۷

دانشگاه آنکارا



Ankara University

INTERNATIONAL STUDENTS' EXAM

uniland.ir

☎ ۰۲۱۹۱۳۰۵۹۰۵

✈️ @uniland_yos

33 - 36. soruları aşağıdaki tabloya ve bilgilere göre cevaplayınız.

In questions 33 - 36 find the correct answer in accordance with the table and the information given below.

1	P	U	Z	A	C	A
2	S	Ö	Y	M	E	D
3	I	V	A	N	I	S
4	N	D	A	Y	A	N
5	A	D	Z	I	N	I

E

A, B, C, D, F

$$B(5) = E(4)$$

$$A(4) = C(1)$$

$$D(3) = B(4)$$

33. F(2) = ?

- A) P B) Y C) Ö D) S E) A

34. D(5) = ?

- A) S B) I C) N D) A E) V

35. C(3) = ?

- A) P B) Z C) Y D) Ö E) S

36. D(4) F(2) C(4) = ?

- A) VAN B) YÖS C) YAN
D) YÖN E) PÖS

33 ve 34 sorularını bu kurala göre çözünüz.

I.	B	B	A	D
II.	D	B	C	A
III.	D	A	A	D
IV.	B	C	C	B

$$I(2)=B$$

$$II(4)=A$$

$$III(1)=C$$

33.

$$IV(3)=?$$

A)A B)B C)C D)D E)E

34.

$$II(4)=?$$

A)A B)B C)C D)D E)E

29.	B
30.	E
31.	D
32.	C
33.	B
34.	B
35.	D

سوال هوش - دانشگاه آنکارا - سال ۲۰۱۷

+	<i>a</i>	<i>b</i>	<i>c</i>
<i>a</i>	$6b$		
<i>b</i>		<i>c</i>	
<i>c</i>	b^2		

$$b + c = ?$$

A) 10

B) 12

C) 15

D) 18

E)

$$\frac{x + 3y}{y} = \frac{z + 3t}{t} = 5 \Rightarrow \frac{3x - 2z}{3y - 2t} = ?$$

A) 2

B) 3

C) 4

D) 5

E) 6

$$\frac{X}{2} = \frac{Y}{3} = \frac{Z}{4} \Rightarrow \frac{X+Y}{X-Y} \cdot \frac{Y+Z}{Y-Z} \cdot \frac{Z+X}{Z-X} = ?$$

A) 35

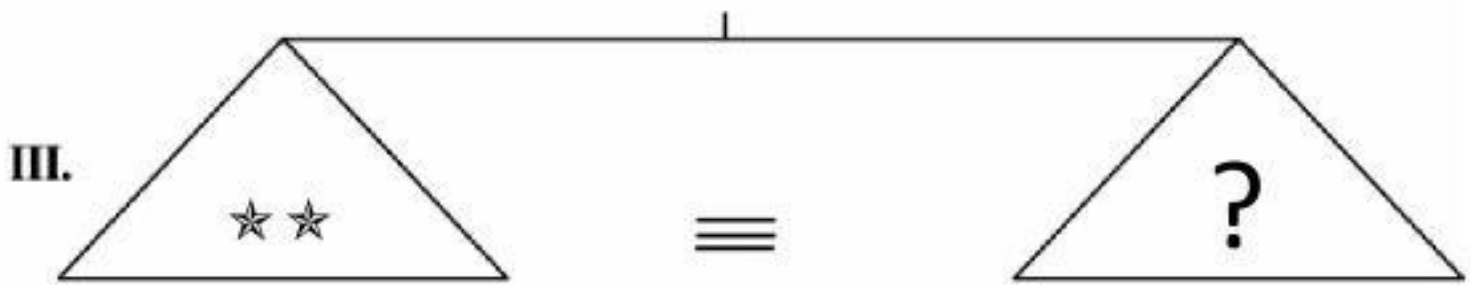
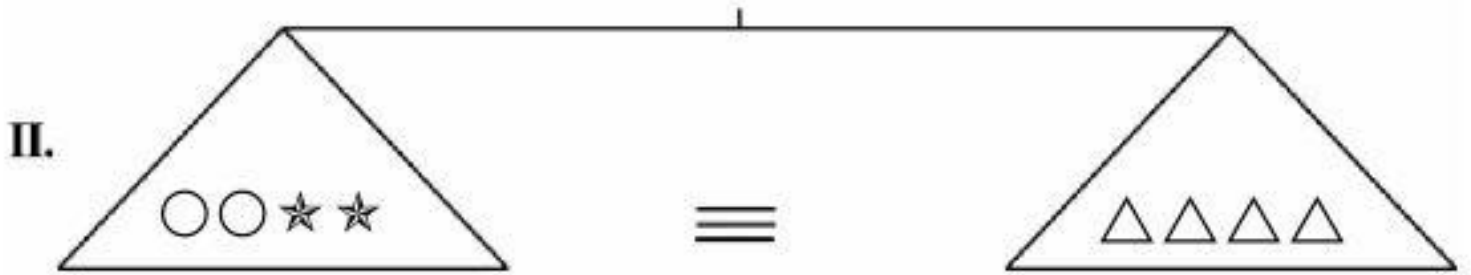
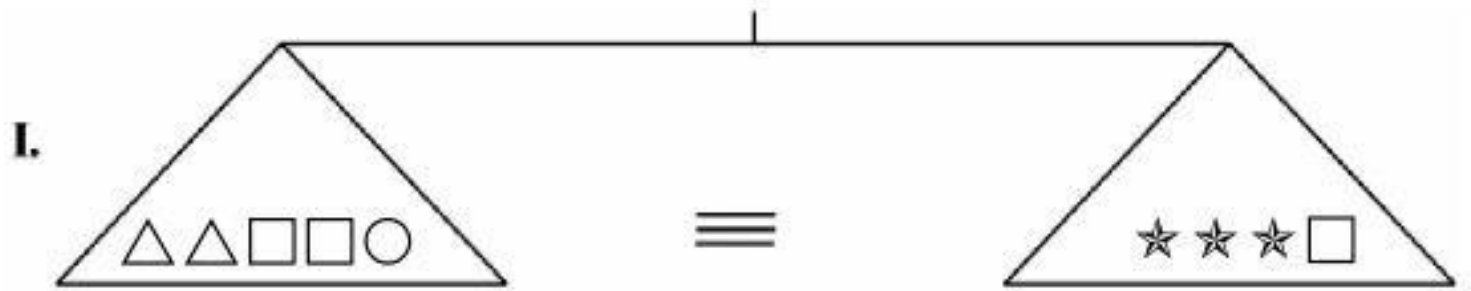
B) 70

C) 105

D) 140

E) 210

سوال هوش - دانشگاه آنکارا - سال ۲۰۱۷



- A) □○ B) □○○ C) □□○ D) △○□ E) △○○

15. $f(x) - 2f\left(\frac{1}{x}\right) = 4x + 1 \implies f\left(\frac{1}{2}\right) = ?$

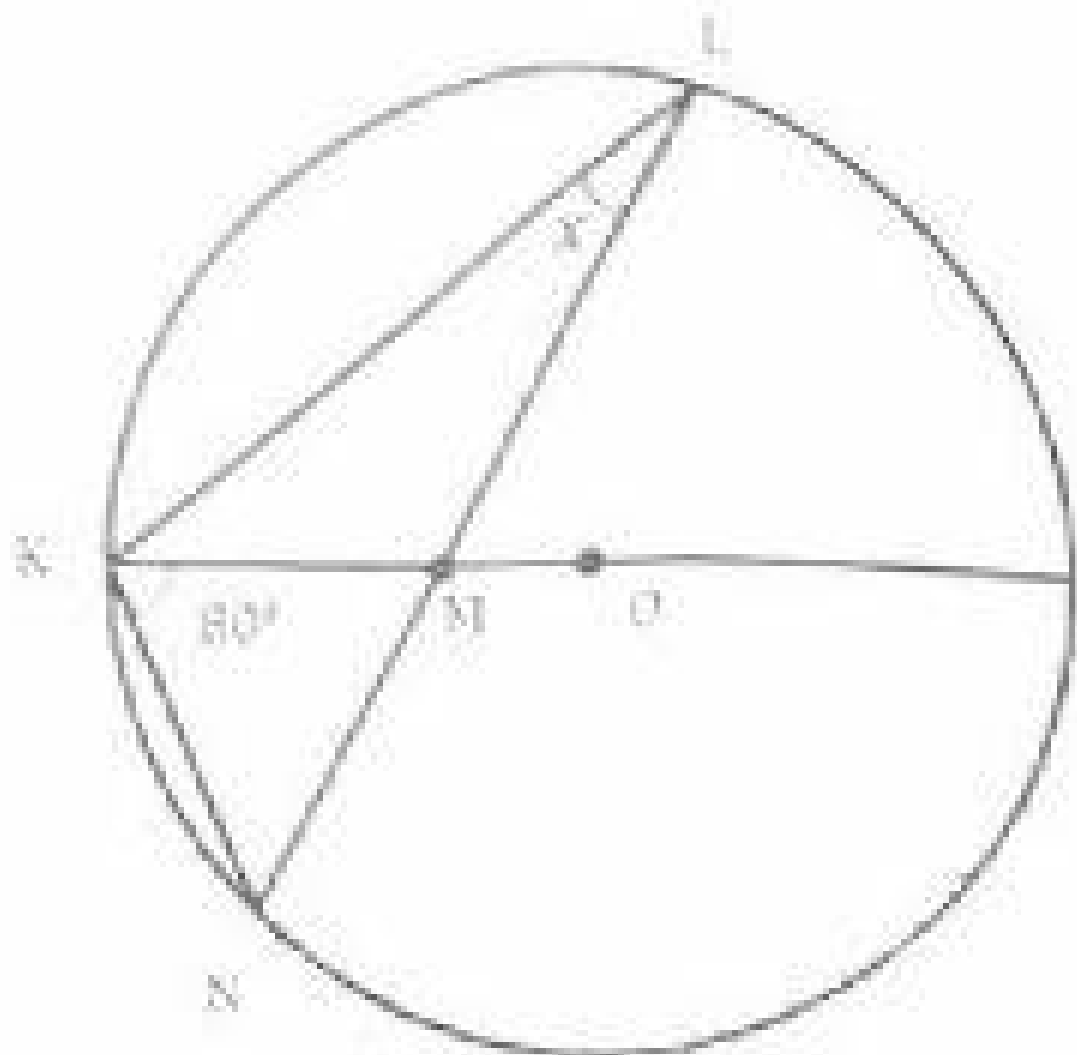
A) -7

B) -6

C) -5

D) -4

E) -3



سوال

دارند

$m(\widehat{NKM})$

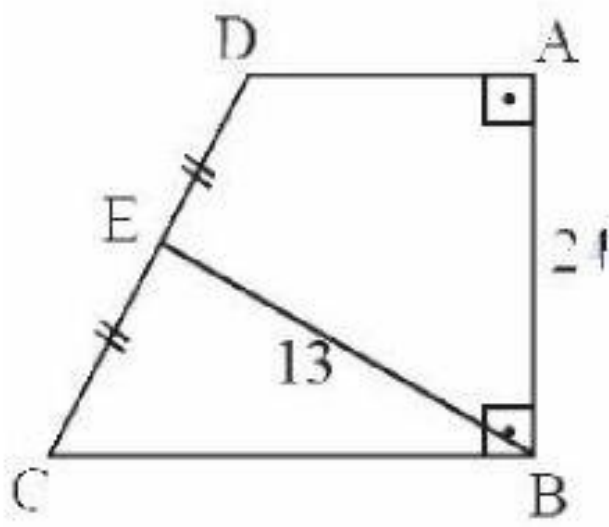
$m(\widehat{K})$

A) 50

B) 40

C) 30

D) 20



ABCD trapezoid, $[AD] \parallel [BC]$, $[AB] \perp [BC]$,

$|DE| = |EC|$, $AB = 24$ cm, $EB = 13$ cm.

Area(ABCD) = ?

- A) 100 B) 120 C) 130 D) 140 E) 156

$$f(x) = e^x \cos x$$

$$f'''(\pi) = ?$$

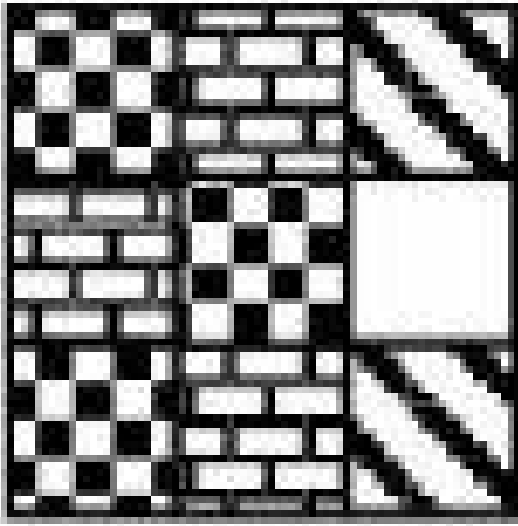
A) $-4e^\pi$

B) $2e^\pi$

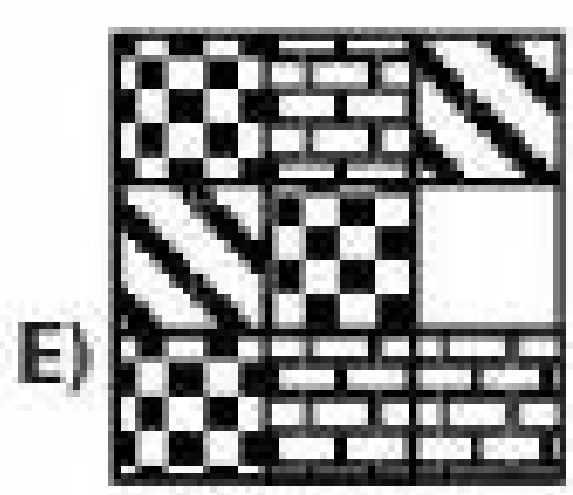
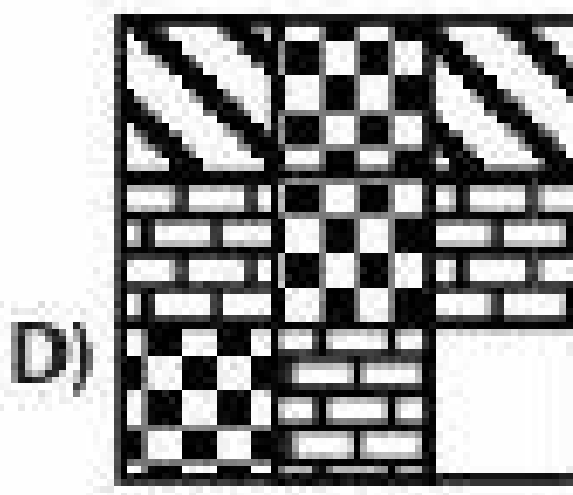
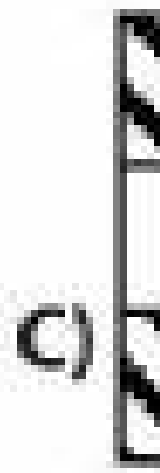
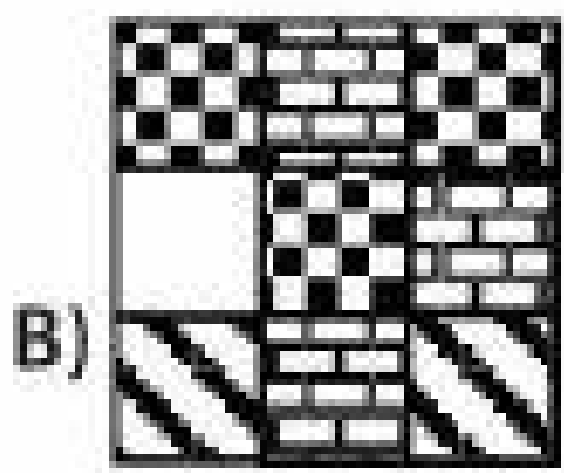
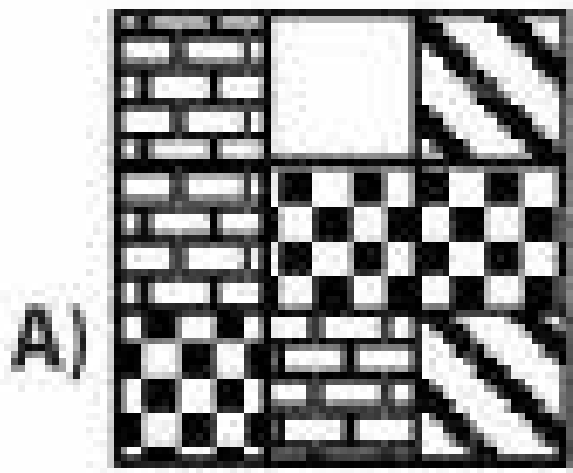
C) $-2e^\pi$

D) 0

E) $4e^\pi$



Aşağıdaki şekillerden hangisi yukandakinin



$$\int_0^{\pi/2} \cos^2 x dx = ?$$

A) $\frac{\pi}{4}$

B) $\frac{\pi}{3}$

C) $\frac{\pi}{2}$

D) π

E) 2π

$$\int x^2 e^{x^3} dx = ?$$

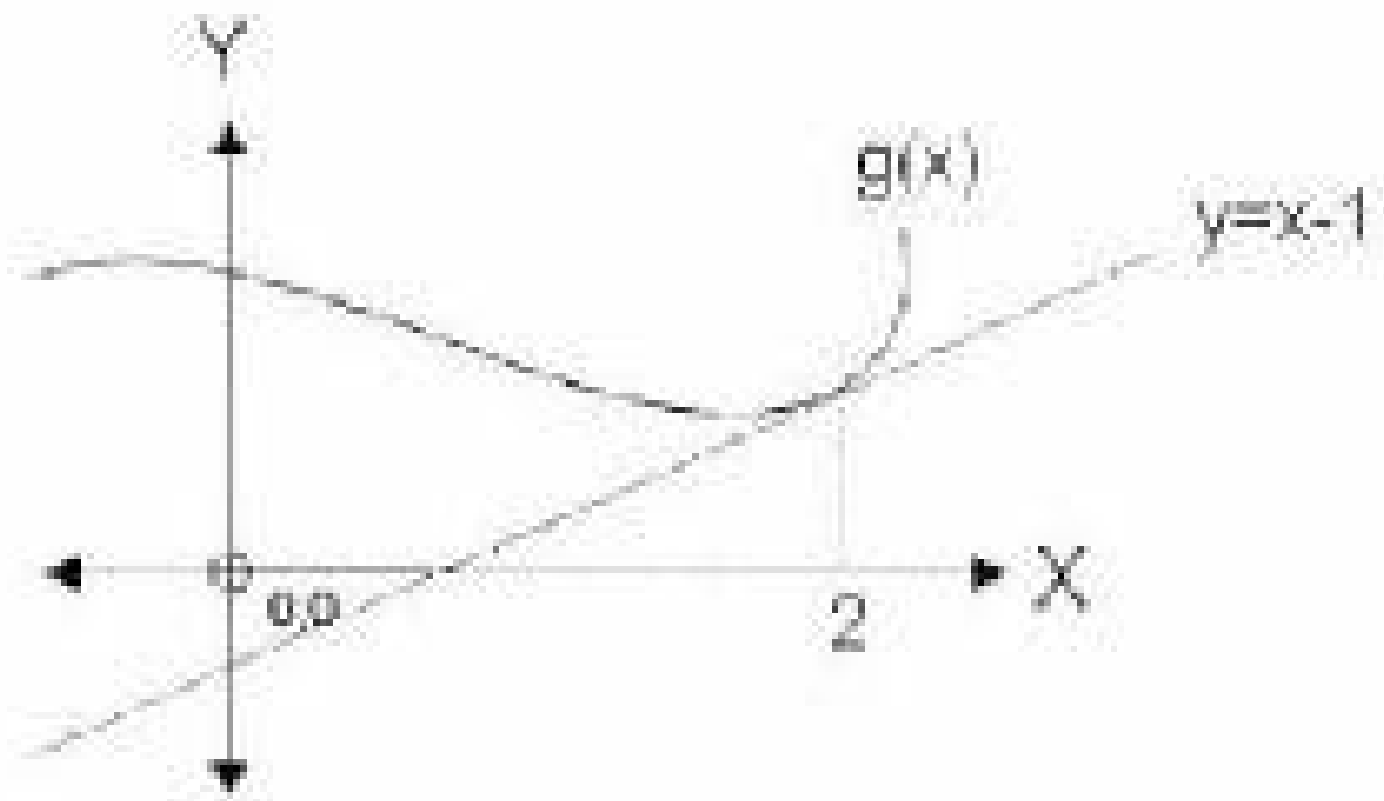
A) $\frac{1}{2e^{x^3}} + c$

B) $\frac{2}{e^{x^2}} + c$

C) $\frac{1}{3}e^{x^3} + c$

D) $\frac{1}{3}e^{x^2} + c$

E) $\frac{1}{3}e^x + c$



$$f(x) = x^2 \cdot g(x)$$

$$f(2) = ?$$

A) - 2

B) 2

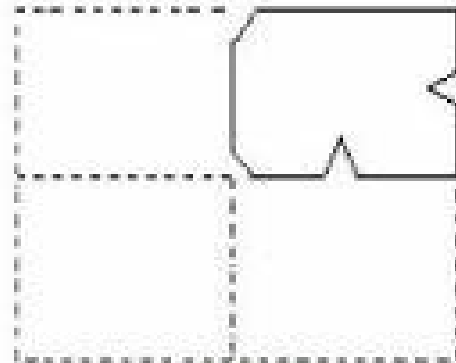
C) - 8

D) 8

E) 10

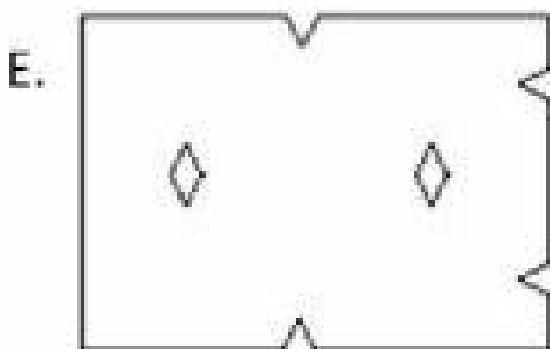
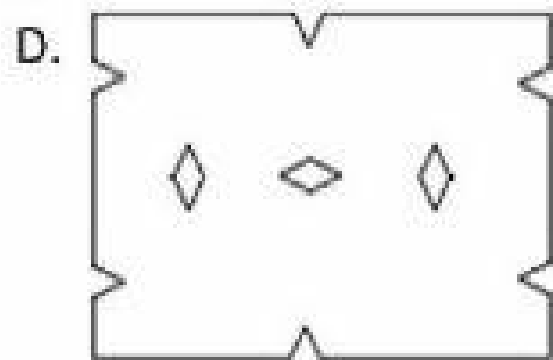
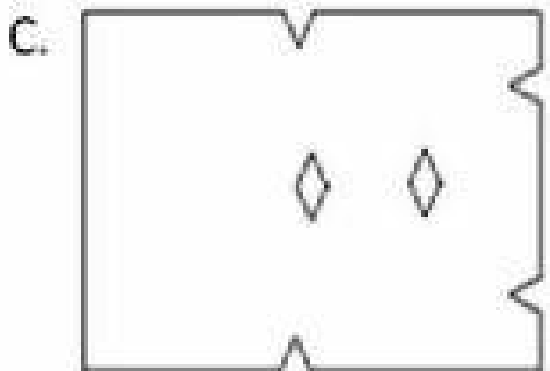
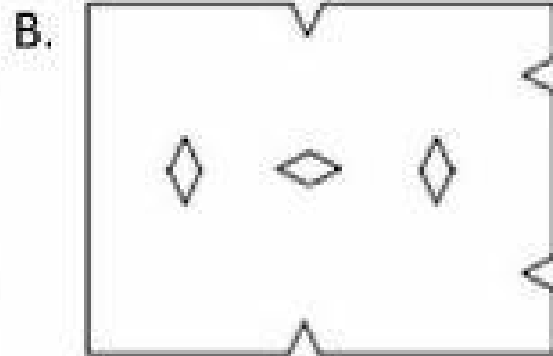
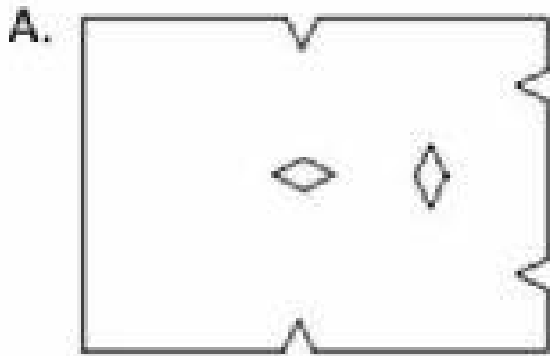


Şekil 1

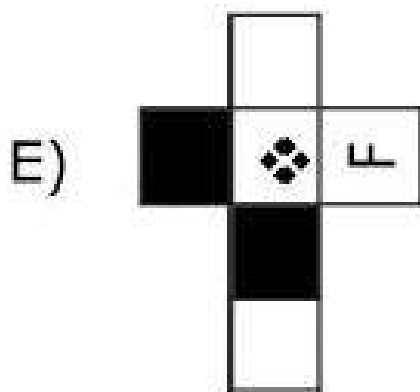
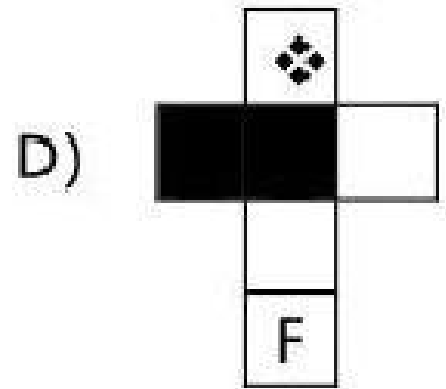
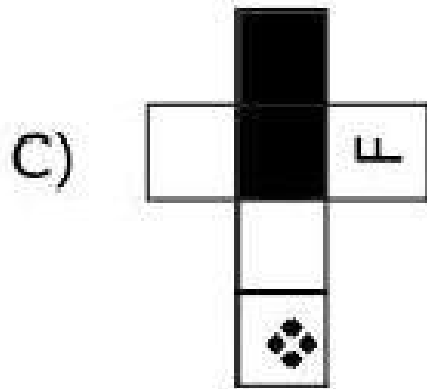
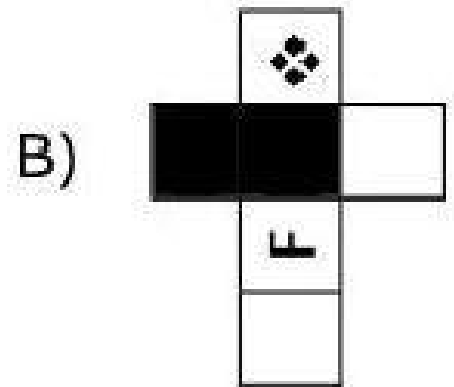
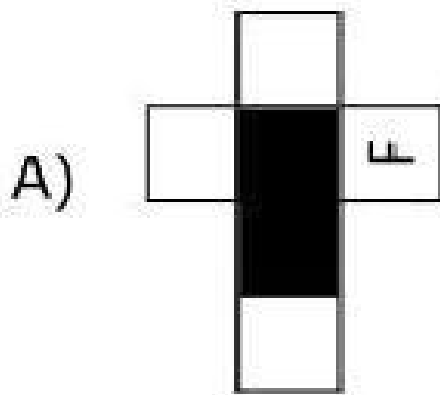
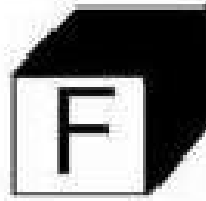


Şekil 2

Paper in Figure 1 is folded and cut as in Figure 2. After the paper is opened again which of the following is obtained?



Which of the options could be folded to make the cube in the following figure?



$$\int_{-1}^1 \frac{2x-3}{(x^2-3x)^3} dx$$

A) $-\frac{1}{16}$

B) $\frac{5}{8}$

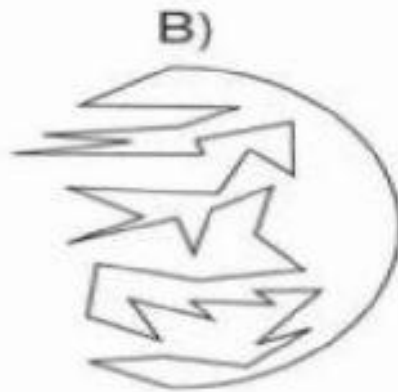
C) $-\frac{3}{32}$

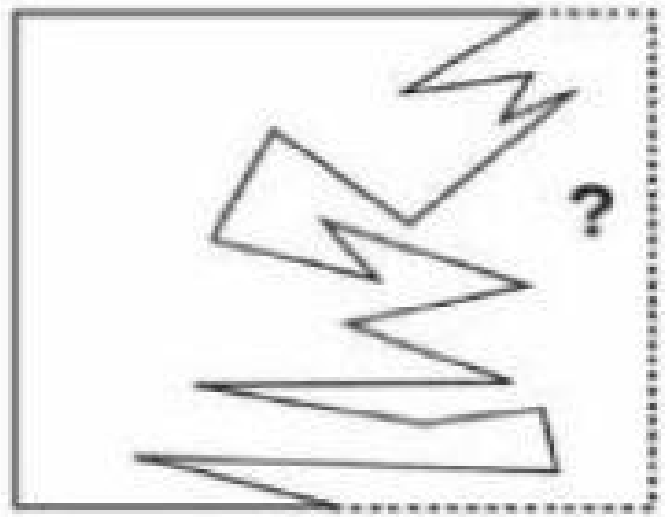
D) $\frac{3}{8}$

E) $\frac{5}{2}$

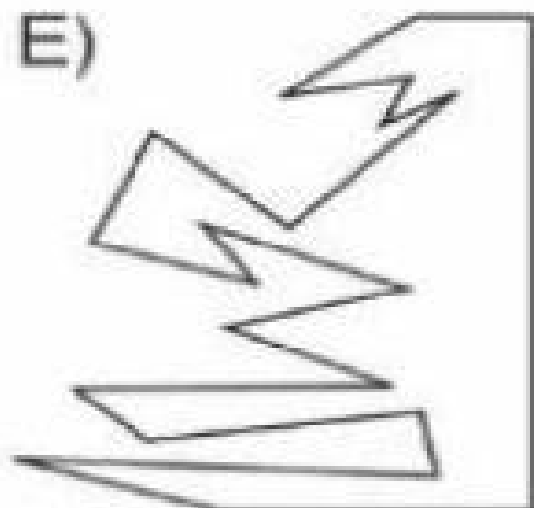
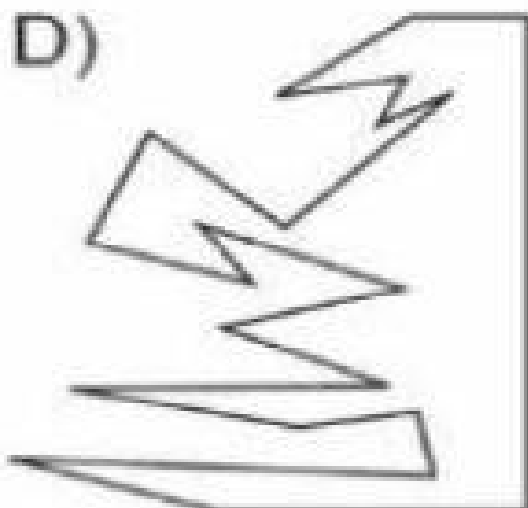
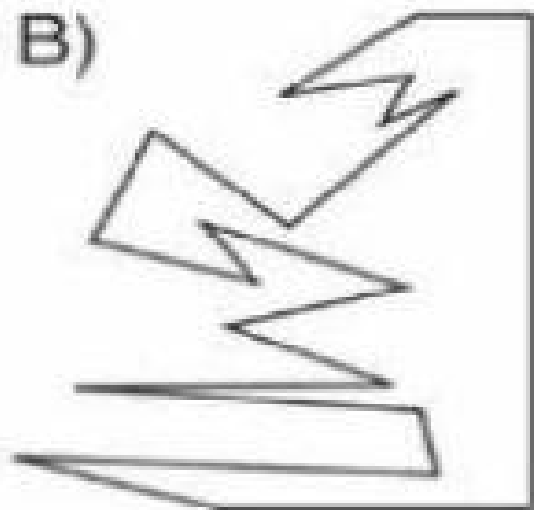
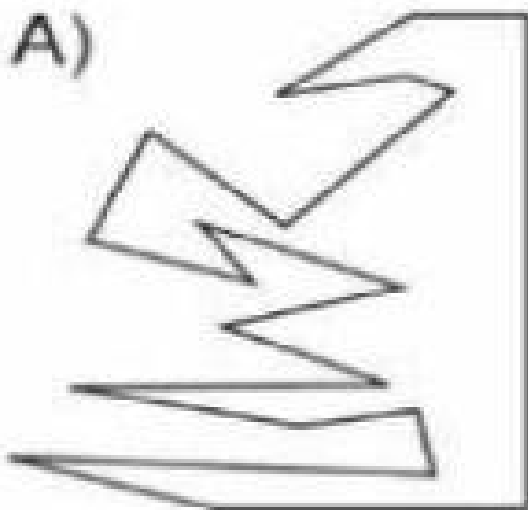


Which of the followings completes the given figure above?





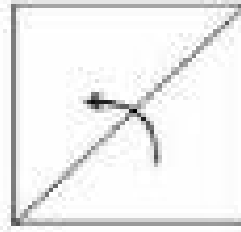
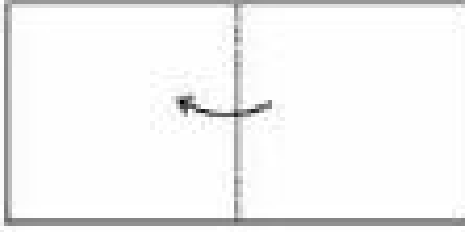
Which of the followings completes the above?



Şekil I.

Şekil II.

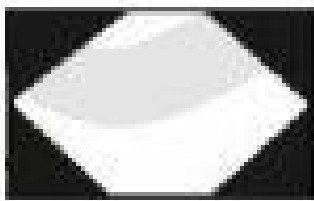
Şekil III.



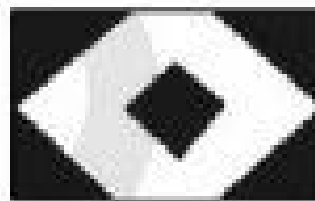
Yukarıda Şekil I'deki dikdörtgen biçimli kağıt kesik çizgi boyunca okla gösterilen bölge üzerine katlanıp Şekil II, Şekil II'deki kağıt da yine kesik çizgi boyunca okla gösterilen bölge üzerine katlanıp Şekil III elde ediliyor. Şekil III'deki kağıdın siyahla gösterilen bölgesi kesilip çıkarılıyor.

Kesilip çıkarılan bölge siyahla gösterildiğine göre, kağıt açıldığında hangi şekil elde edilir?

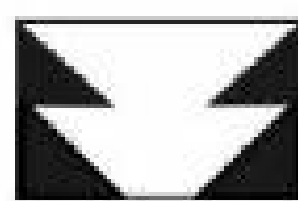
A)



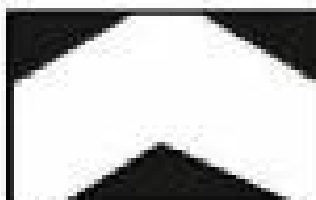
B)



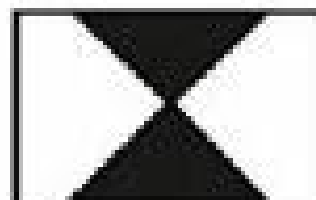
C)



D)



E)



29.

I II
III IV
V

	1	2	3	4	5
A	E	F	K	E	
M	D	C	D	D	
C	K	A	B	A	
B	F	T	M	K	
K	T	M	C	B	

الجدول في الأعلى يحوي مجموعة من الأعمدة كما هي مرقمة
لكن الصفوف ترتيب الصفوف غير معلوم ، إذا كانت لدينا
المعطيات التالية :

$$\begin{aligned} \text{II}(1) &= \text{V}(5) & \text{III}(3) &= \text{IV}(1) \\ \text{I}(3) &= \text{III}(1) & \text{IV}(4) &= \text{V}(1) \\ \text{II}(4) &= \text{V}(3) \end{aligned}$$

بناءً على ذلك ما هي الأحرف التي تحتويها الخلايا
التالية :

$$\text{I}(4) = ? \quad \text{II}(2) = ? \quad \text{V}(2) = ?$$

- A) B, D, T B) D, F, T
C) M, F, D D) K, K, T
E) A, F, E

31.

I II
III IV
V

	1	2	3	4	5
Z	L	A	H	D	
A	H	Y	T	Z	
Y	A	Z	L	T	
T	Z	L	N	Y	
H	Y	N	Z	A	

الجدول في الأعلى يحوي مجموعة من الأعمدة كما هي مرقمة
لكن الصفوف ترتيب الصفوف غير معلوم ، إذا كانت لدينا
المعطيات التالية :

$$\begin{aligned} \text{V}(4) &= \text{I}(2) & \text{IV}(1) &= \text{III}(4) \\ \text{III}(2) &= \text{I}(4) & \text{V}(3) &= \text{IV}(2) \\ \text{II}(3) &= \text{IV}(4) \end{aligned}$$

بناءً على ذلك ما هي الأحرف التي تحتويها الخلايا
التالية :

$$\text{III}(1) = ? \quad \text{I}(4) = ? \quad \text{V}(3) = ?$$

- A) Y, N, L B) T, L, A
C) Y, T, A D) A, H, Z
E) H, T, A