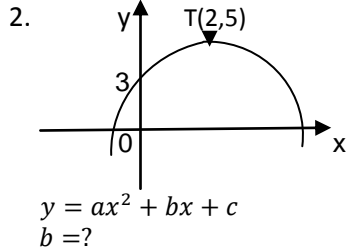


**ÖRNEK SORULAR:**

1.  $\frac{X^2-x-2}{X^3+2X^2+X} \cdot \frac{X^3-X}{X^2-5X+6} = ?$

- a)  $\frac{X+1}{X-3}$       b)  $\frac{X-1}{X-3}$       c)  $\frac{X-2}{X-3}$       d)  $\frac{X}{X-3}$       e)  $\frac{X-1}{X+1}$

Cevap: b



- a) -2      b) -1      c)  $\frac{1}{2}$       d) 1      e) 2

Cevap: e

3.  $\lim_{x \rightarrow 8} \frac{\sqrt[3]{x}-2}{\sqrt{x}-2\sqrt{2}} = ?$

- a)  $\frac{\sqrt{2}}{8}$       b)  $\frac{\sqrt{2}}{4}$       c)  $\frac{\sqrt{2}}{3}$       d)  $\frac{\sqrt{2}}{2}$       e)  $\sqrt{2}$

Cevap: c

4.  $\sum_{n=0}^{\infty} \frac{1+3^n}{5^n} = ?$

- a)  $\frac{4}{7}$       b)  $\frac{5}{2}$       c)  $\frac{15}{2}$       d)  $\frac{15}{4}$       e) 5

Cevap: d

5.  $\frac{\sin x + 2\cos x}{3\sin x + \cos x} = \frac{11}{13}$

$\cos 2x = ?$

- a)  $\frac{7}{25}$       b)  $\frac{9}{16}$       c)  $\frac{16}{25}$       d)  $\frac{9}{25}$       e) 1

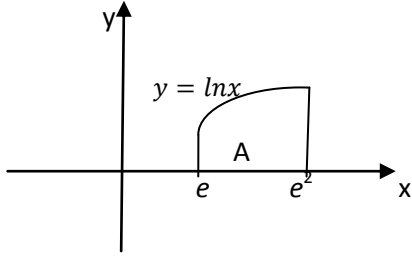
Cevap: a

6.  $\frac{a}{b} = \frac{c}{d} = \frac{e}{f} = \frac{1}{3}$   
 $3a - 2c + 4e = 7$   
 $3b + 4f = 17$   
 $d = ?$

- a) -5      b) -2      c) 1      d) 10      e) 17

Cevap: b

7.



$y = \ln x, \quad x = e, \quad x = e^2 \Rightarrow A = ?$

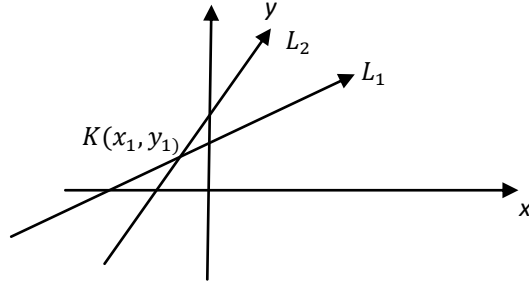
- a)  $2e^2$    b)  $e^2$    c)  $e$    d)  $2e$    e)  $1 + e$

Cevap: b

8.  $L_1: x - 2y + 3 = 0$

$L_2: 3x - y + 4 = 0$

$L_1 \cap L_2 = K(x_1, y_1) \Rightarrow x_1 + y_1 = ?$



- a) -2   b)  $-\frac{3}{2}$    c) 0   d) 1   e)  $\frac{3}{2}$

Cevap: c

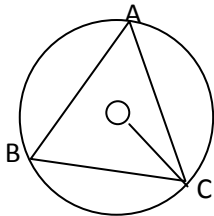
9.	<u>I.</u>	<u>II.</u>
	28763	ULBKR
	31920	ACBKE
	04769	REMBK
	05927	EMRAU
	93176	USRAB

ise, 28764 = ?

- a) ABULC   b) ACBKL   c) ALKBC   d) ACALK   e) EUKBK

Cevap: b

10.  $m(\widehat{BCO}) = 40^\circ$   
 $m(\widehat{BAC}) = ?$



- a) 35   b) 40   c) 45   d) 50   e) 55

Cevap: d

11.

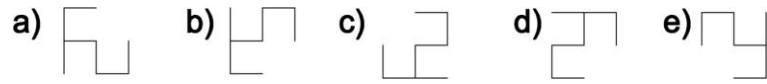
	1	2	3
4	4	8	P
5	5	R	15
6	5	12	13

Yukarıdaki tabloda sayılar belirli bir kurala göre yazılmıştır.  
Buna göre,  $P + R = ?$

In the table above the numbers are written accordingly to a rule.  
Accordingly,  $P + R = ?$









- a) 0                      b) 10                      c) 16                      d) 20                      e) 22

12. Aşağıdaki şekillerden hangisi farklıdır?  
Which one of the following figures is different?

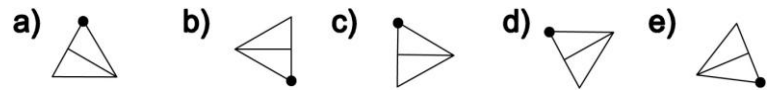


Cevap: b

13.

		
		?
		

Soru işareti "?" olan yere aşağıdakilerden hangisi gelmelidir?  
Which one of the following shapes does the question mark stand for?



Cevap: d