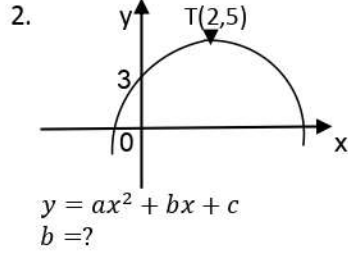**ÖRNEK   SORULAR:**

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

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

Cevap: b

2.

$y = ax^2 + bx + c$
$b =?$

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

Cevap: e

3. $\lim_{x \to 8} \dfrac{\sqrt[3]{X}-2}{\sqrt{X}-2\sqrt{2}} =?$

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

Cevap: c

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

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

Cevap: d

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

$\cos 2x =?$

a) $\dfrac{7}{25}$　　　b) $\dfrac{9}{16}$　　　c) $\dfrac{16}{25}$　　　d) $\dfrac{9}{25}$　　　e) 1
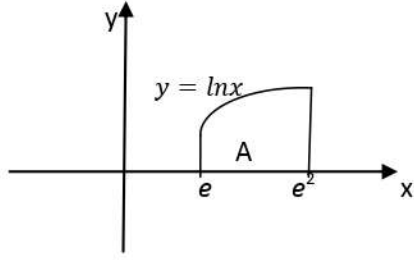
Cevap: a

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

a) -5　　　b) -2　　　c) 1　　　d) 10　　　e) 17

Cevap: b

7.

$y = lnx, \quad x = e, \; x = e^2 \quad \Rightarrow \quad A = ?$
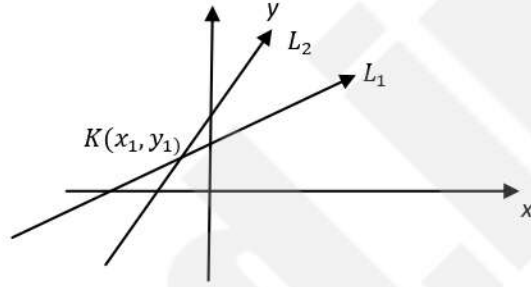
a) $2e^2$ b) e^2 c) e d) $2e$ e) $1 + e$

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) $-\dfrac{3}{2}$ c) 0   d) 1   e) $\dfrac{3}{2}$

Cevap: c

9.

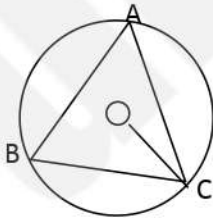| I.	II.
28763	ULBKR
31920	ACBKE
04769	REMBK
05927	EMRAU
93176	USRAB

ise, 28764 = ?

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

Cevap: b

10. $m(\widehat{BCO}) = 40^0$
           $m(\widehat{BAC}) = ?$

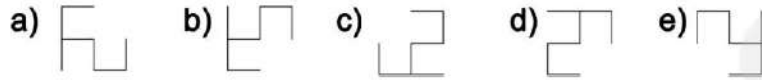

a) 35   b) 40   c) 45   d) 50   e) 55

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 writen 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 fallowing figures is different?

a)   b)   c)   d)   e)

Cevap: b

13.

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

a)   b)   c)   d)   e)

Cevap: d