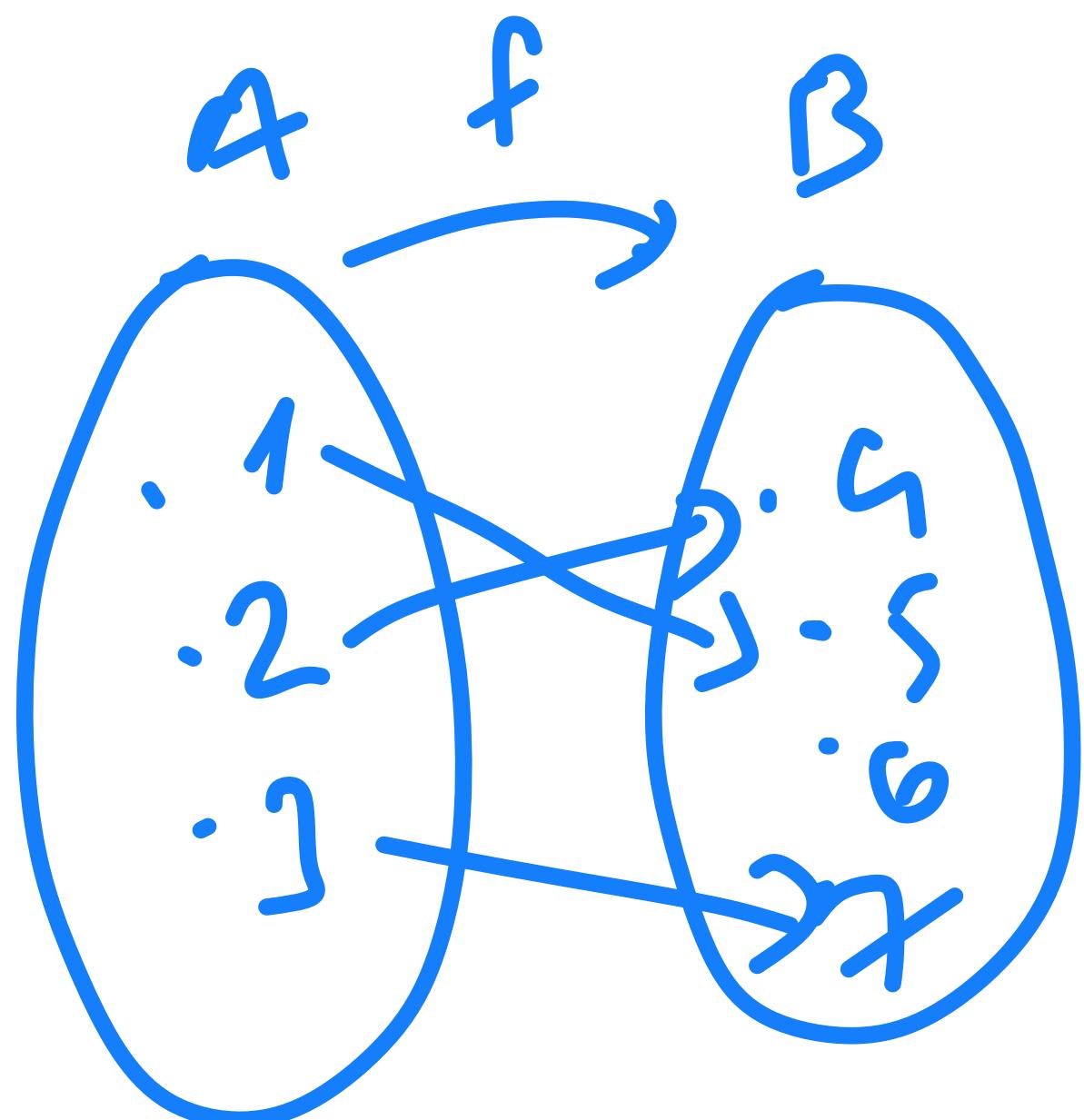


Fonksiyon Tüpleri:

1. Bire-bir Fonksiyon:



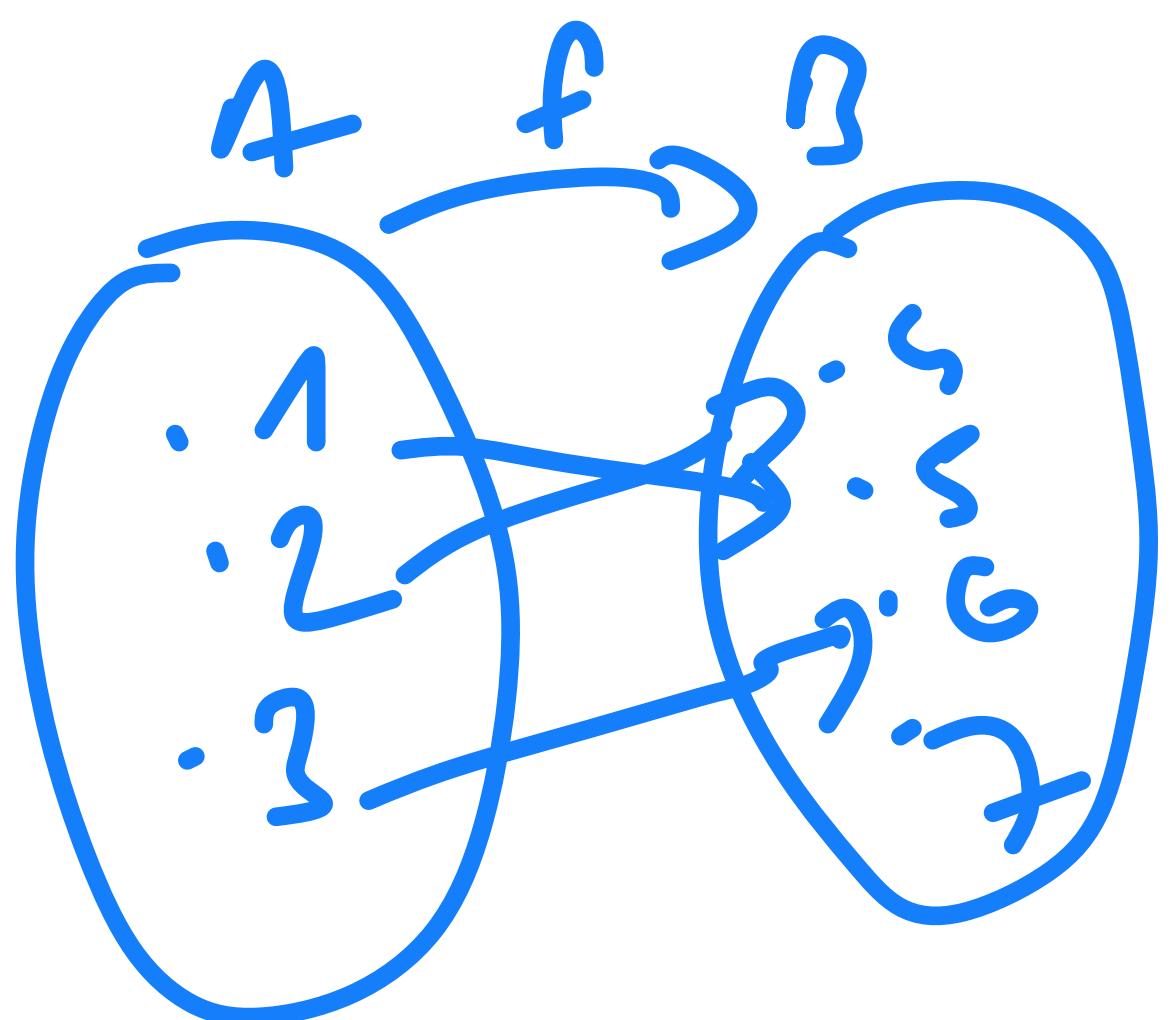
↗ Horoz
o formlu yeri
göster.

$$s(A) \leq s(B)$$

7
 $f: \mathbb{R} \rightarrow \mathbb{R}, f(x) = x^2$

$f: \mathbb{N} \rightarrow \mathbb{N}, f(x) = x^3 + 1$

2. İcine Fonksiyon:

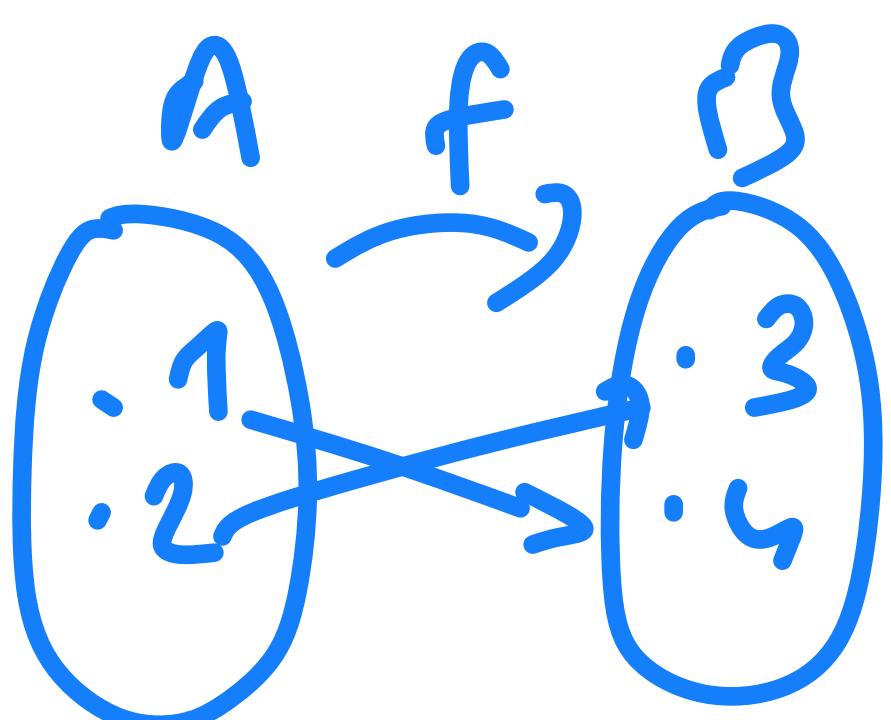


$\forall D.K$ de
o acıhta elem
kalıcak.

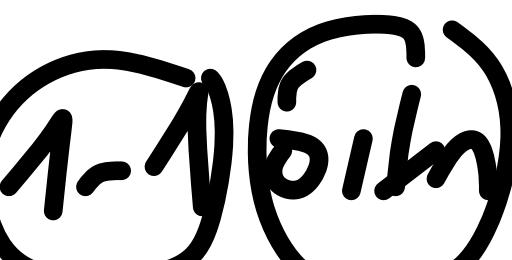
$$f: N \rightarrow L, f(x) = x+3$$

$$f: R \rightarrow L \quad f(x) = 2x + 1$$

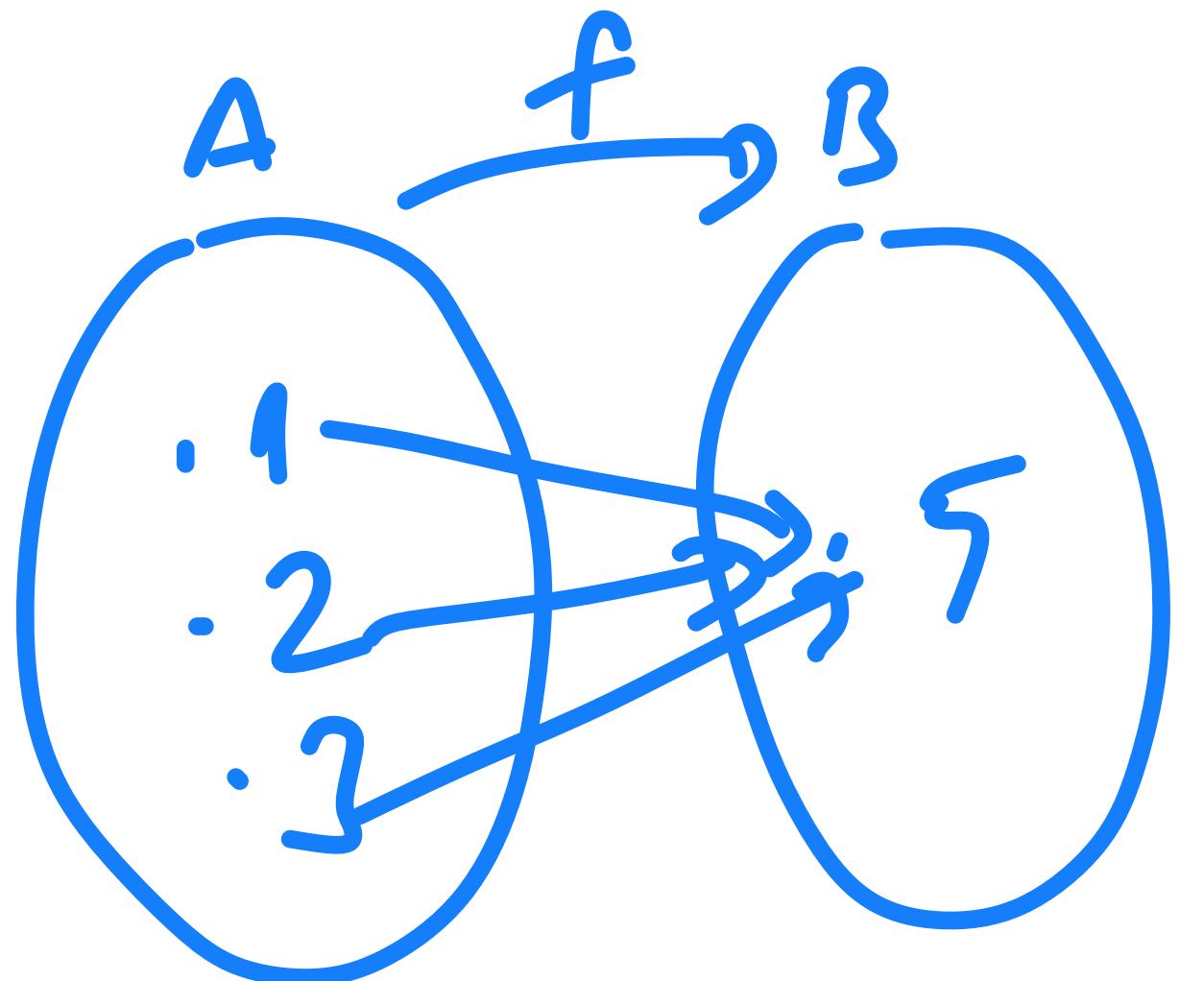
3. Örten Fonksiyon:



$\forall D.K$ de acıhta
elem kalınacak.
 $s(A) \geq s(B)$

Yatay D. Testi 
x egr. çizilen egr.
graf. teknoloj. 485 mili

Sabit Fonks. - Sıfır Fonk.



↗ Herkes bir kişiye
gitcek.

$$\underline{f(x) = c}$$

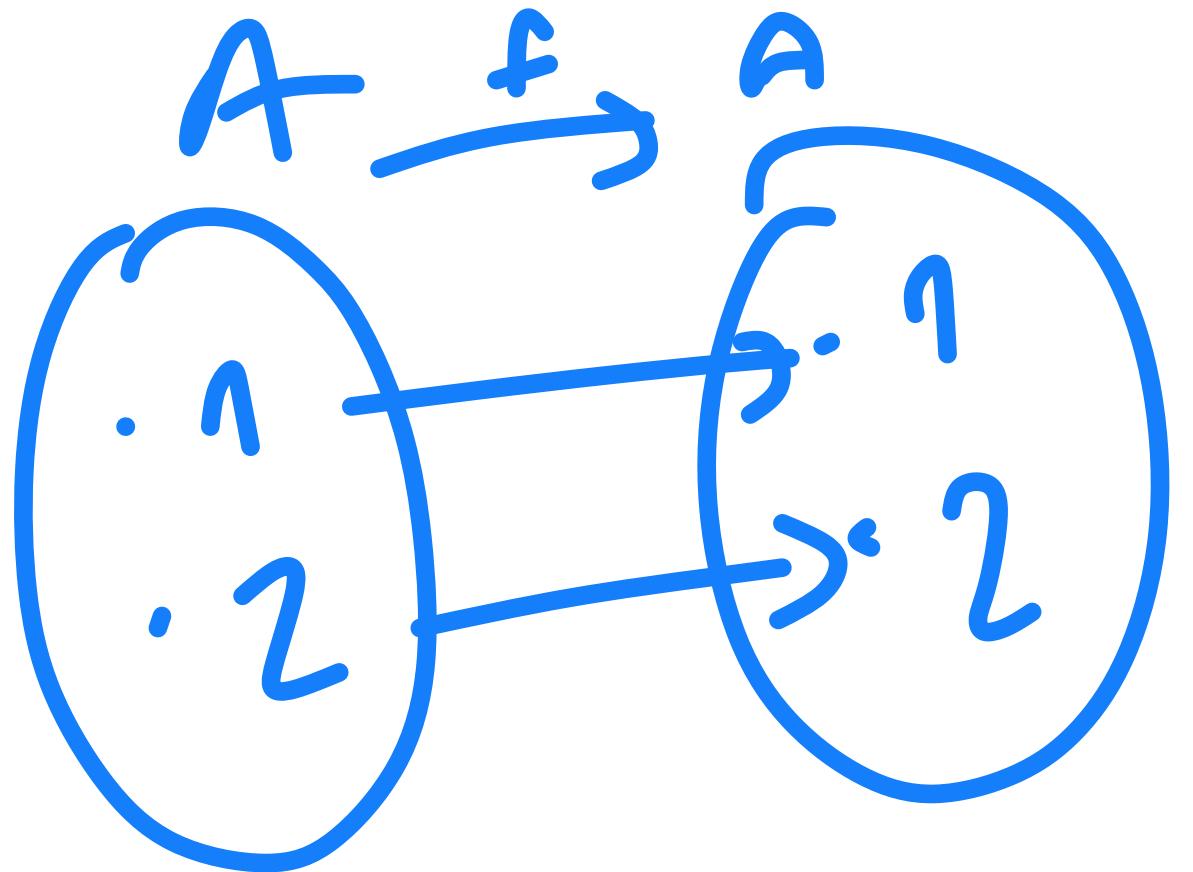
* $f(x) = 0$ fonks. sabit fonk.
denir.

NOT: $f(x) = \frac{ax+b}{cx+d}$

sabit ise :

$$\frac{a}{c} = \frac{b}{d}$$

Birim Fonks. I



Yıksı - DISI AYNI
 $f(x) = x$

$$7 \quad f(x) = (a-3)x^7 + 5x - bx + a + b$$

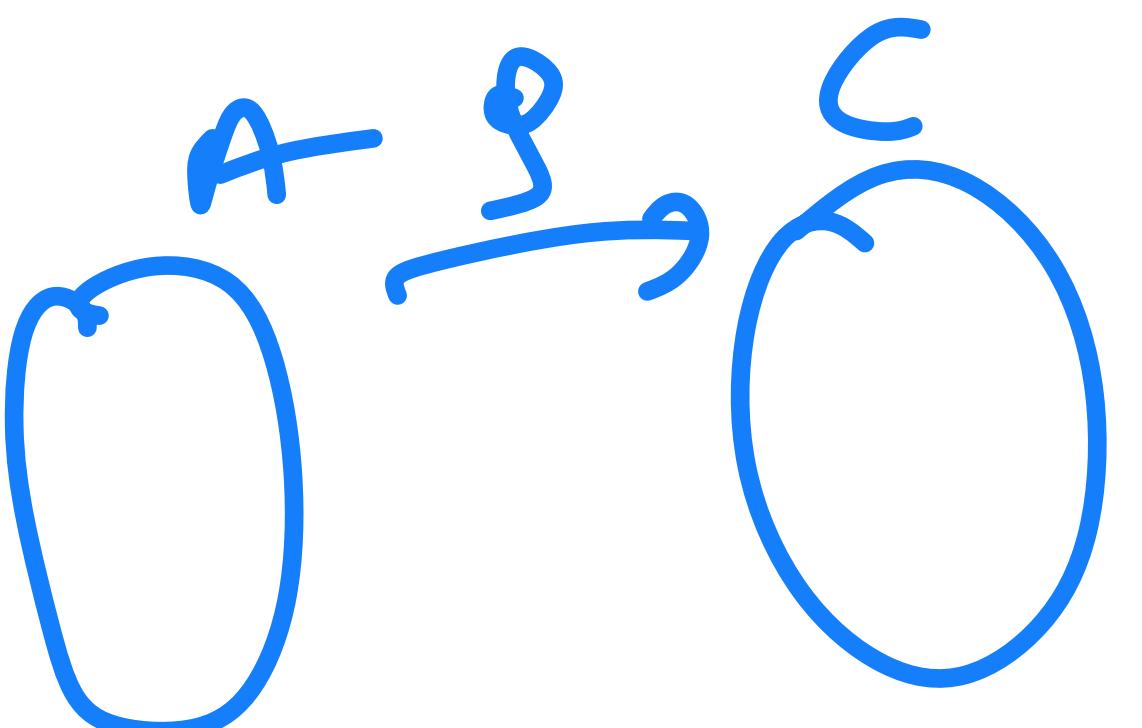
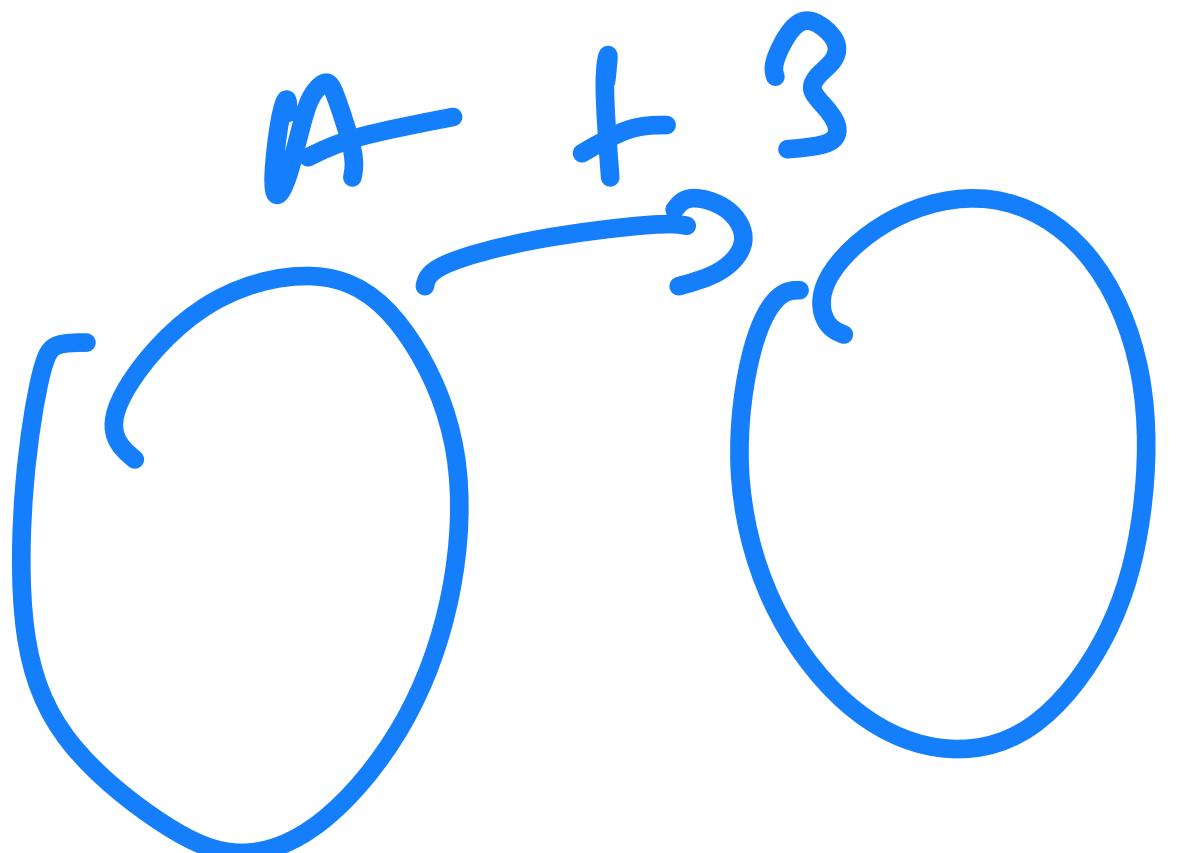
Sabit fonks. old. gizre, $f(100) = ?$

7 $f: \mathbb{R} \rightarrow \mathbb{R}$ o. u $y=f(x)$ birim fonk

$$f(5x-2) = (a-3)x^2 + bx - 3x + c$$

old. ḡirle, $a \cdot b - c = ?$

Eşit Fonk.



! T.K oynı G.K. oynı olur

$$\underline{f(x) = g(x)}$$

↳ Aynı dereceli terimlerin
katsayıları eşitt.

$$T \quad f: N \rightarrow N \quad f(x) = 5x + b$$

$$g: N \rightarrow Z \quad g(x) = (a+1)x + a + 4$$

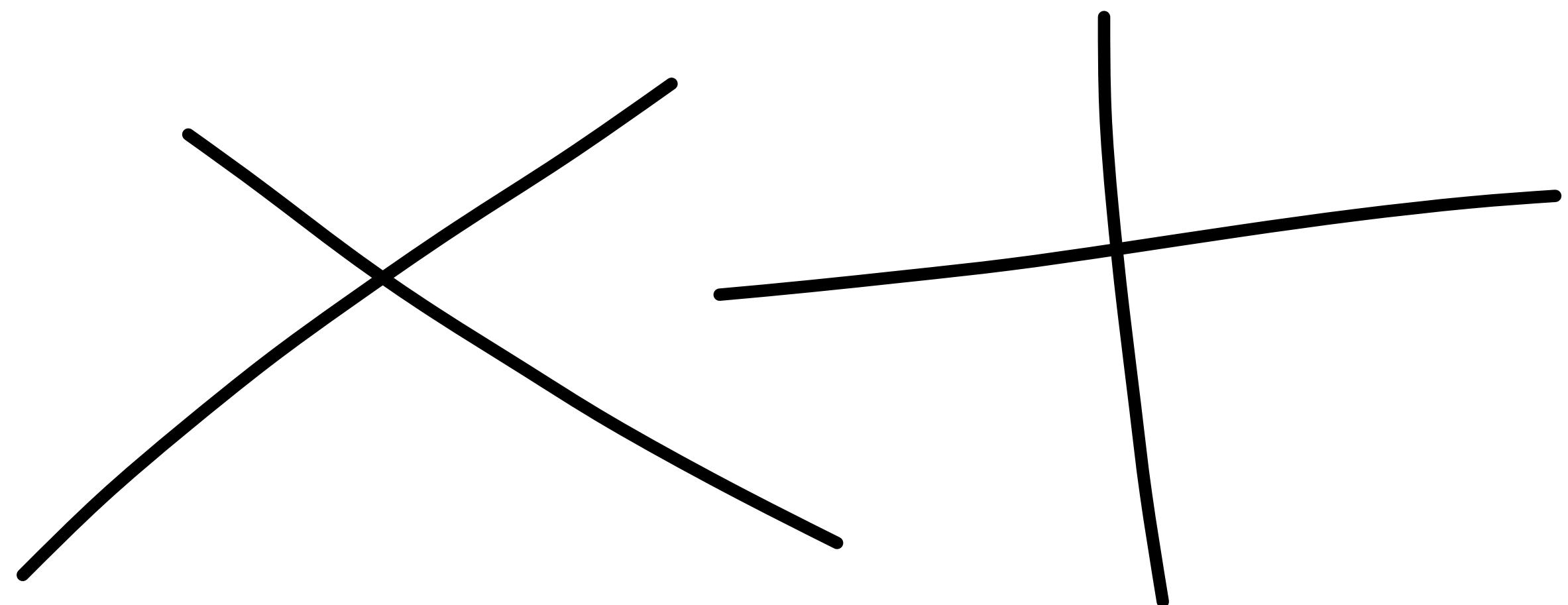
f: le g es't funh old - füre , a · b = ?

Dogrusal Fonk.

a ve b gerçeli sayı

$$f: \mathbb{R} \rightarrow \mathbb{R}$$

$$f(x) = ax + b$$



$$f: \mathbb{R} \rightarrow \mathbb{R} \text{ o.ù.}$$

$$f(x) = (a-3)x^2 + ax + b$$

dogrusal fonk. old. şıre

$$f(5) = ?$$

7 $f(x)$ doğrusal forth $0, \bar{a}$.

$$f(2) = 4$$

$$f(1) = 12$$

$$\text{old } g > e, \quad f(?) = ?$$

