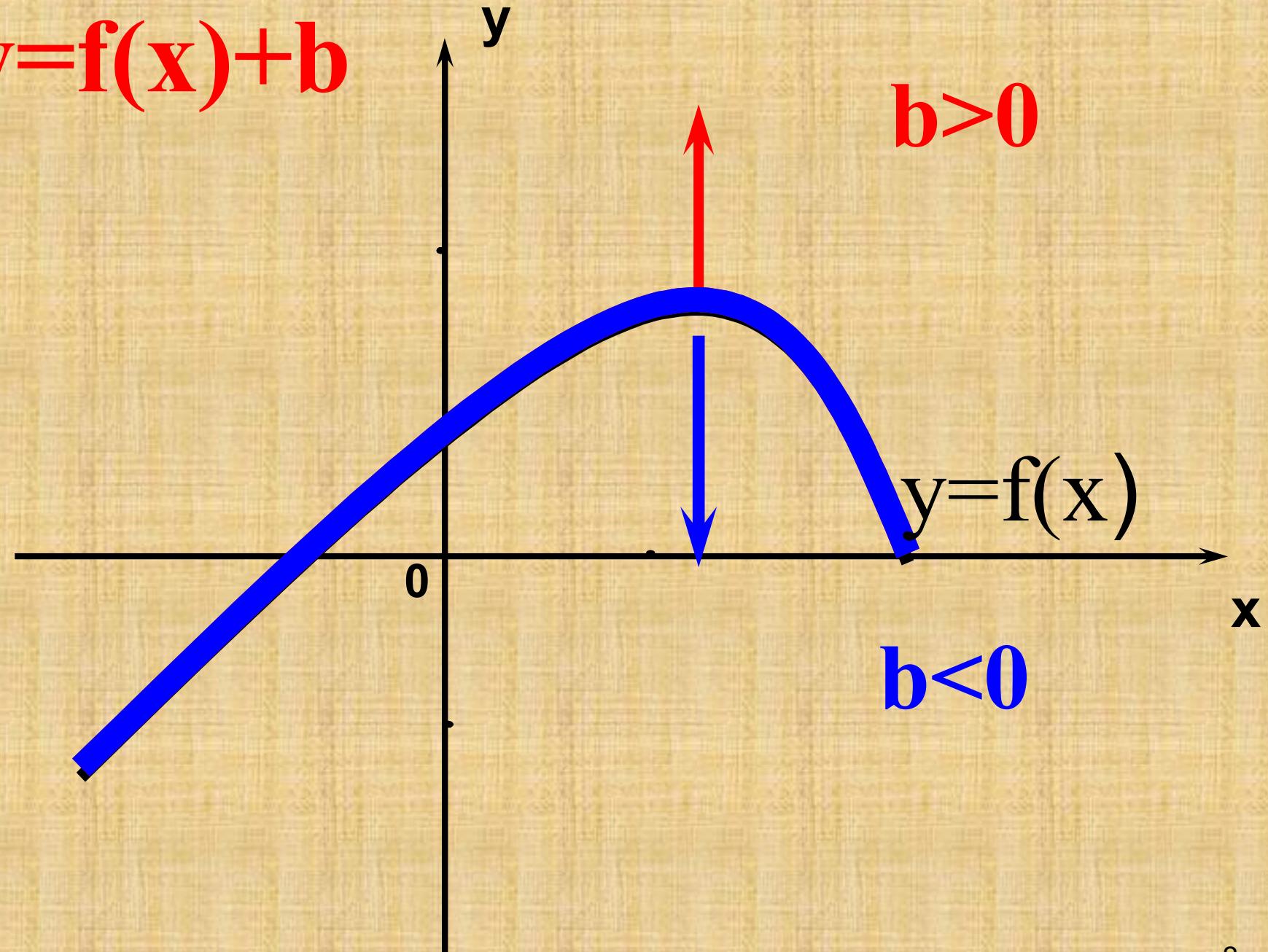


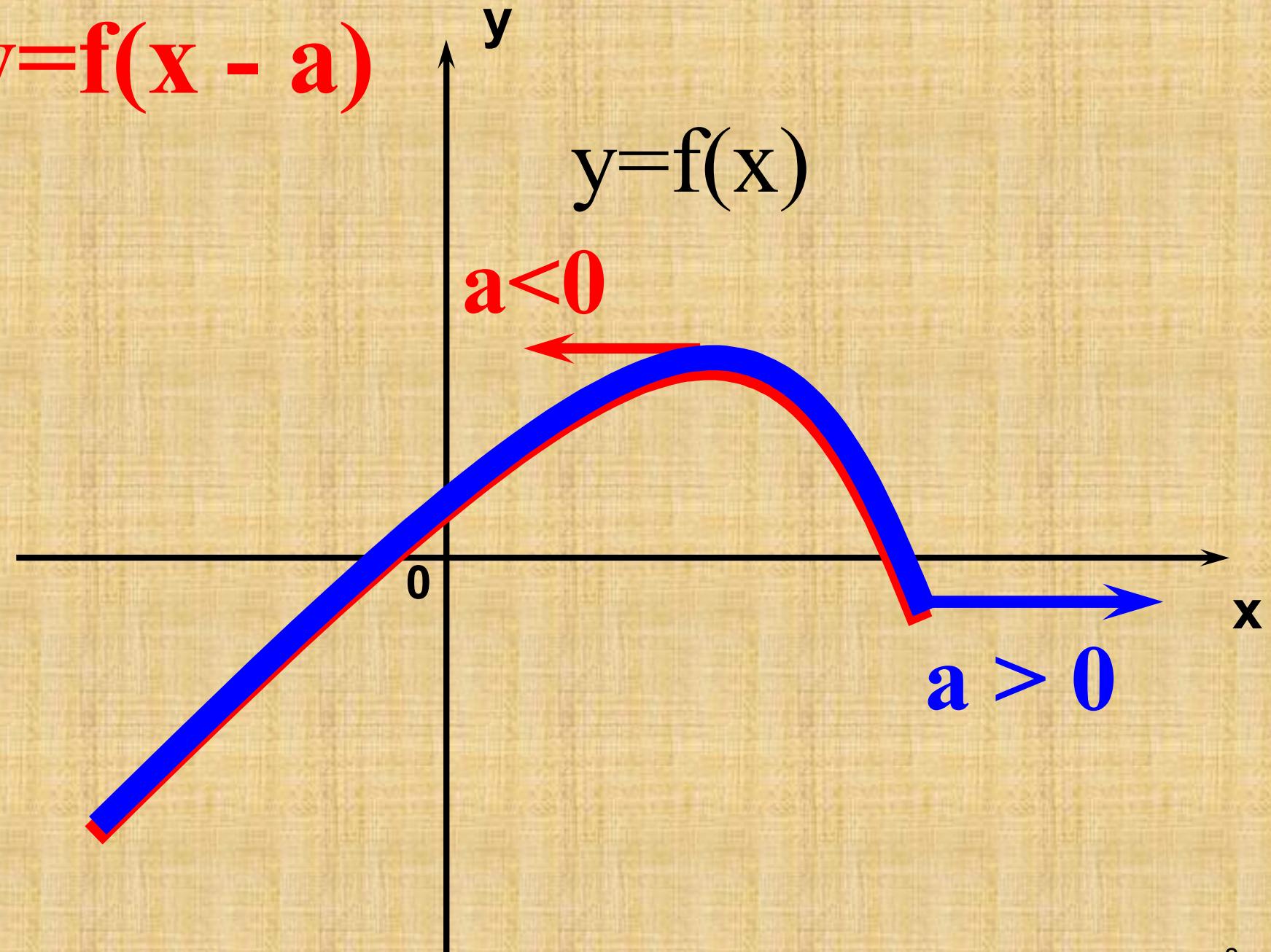
**РЕШЕНИЕ  
УРАВНЕНИЙ**

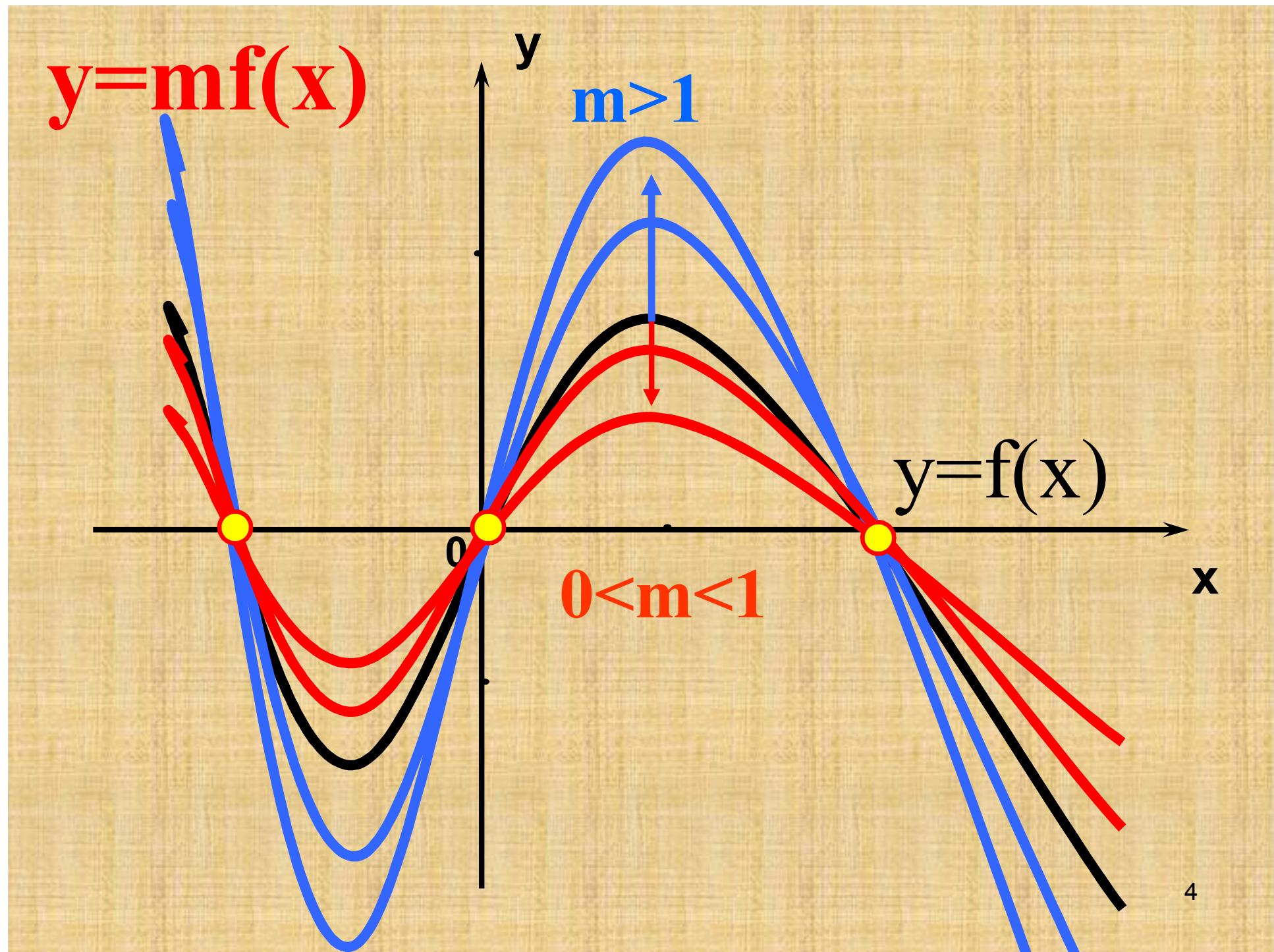
*ГРАФИЧЕСКИЙ  
СПОСОБ*

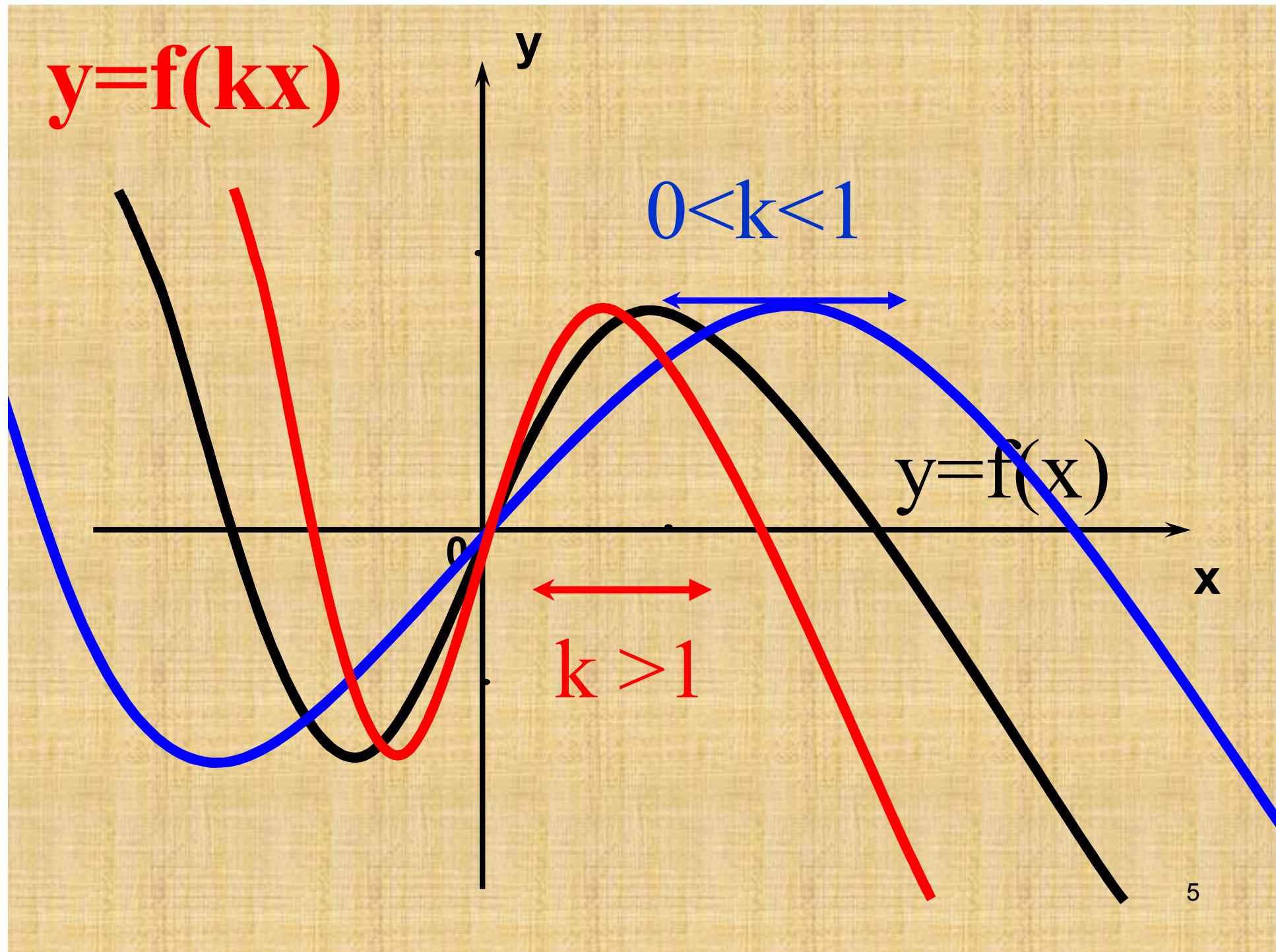
$$y=f(x)+b$$

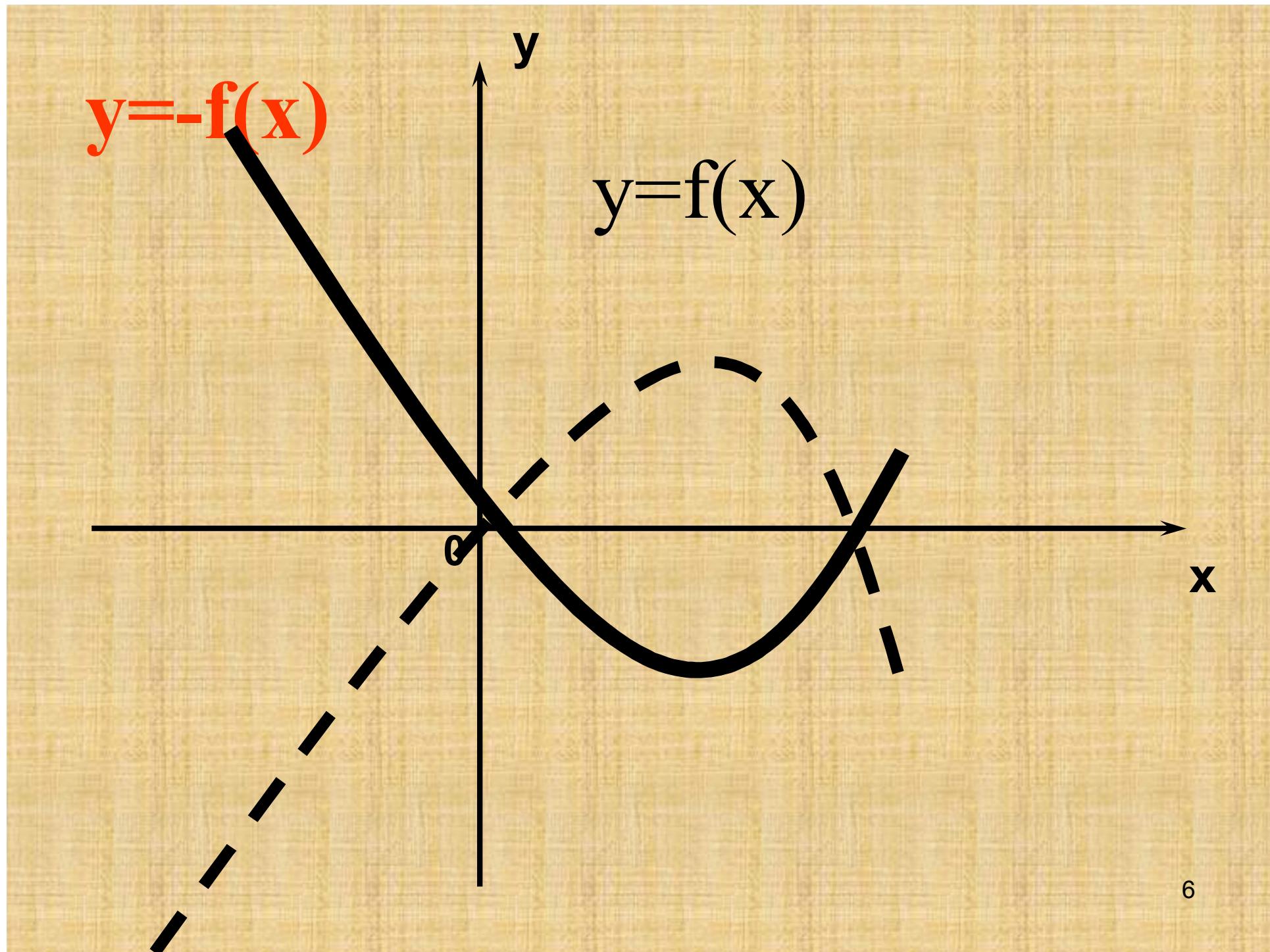


$$y=f(x-a)$$

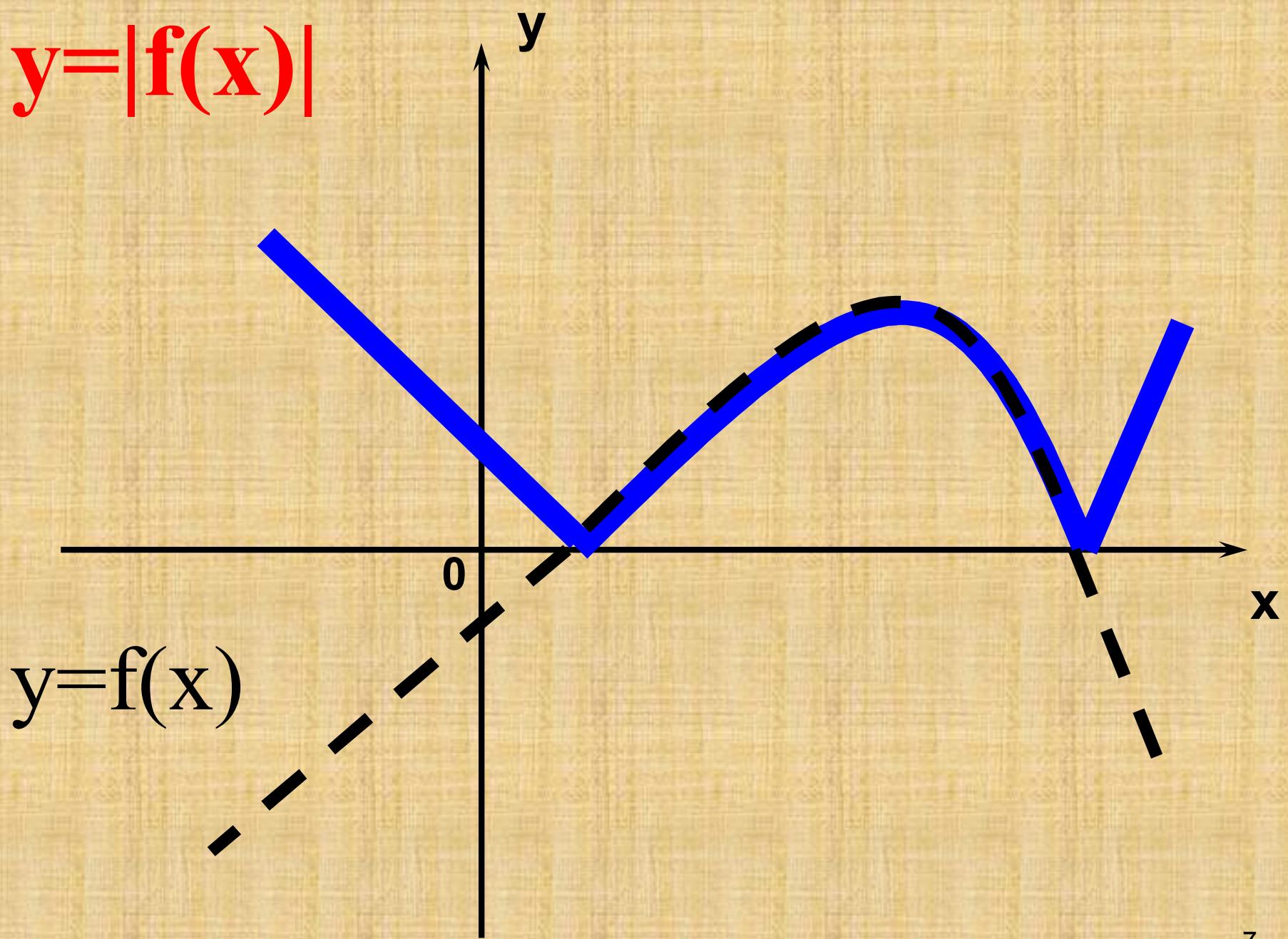


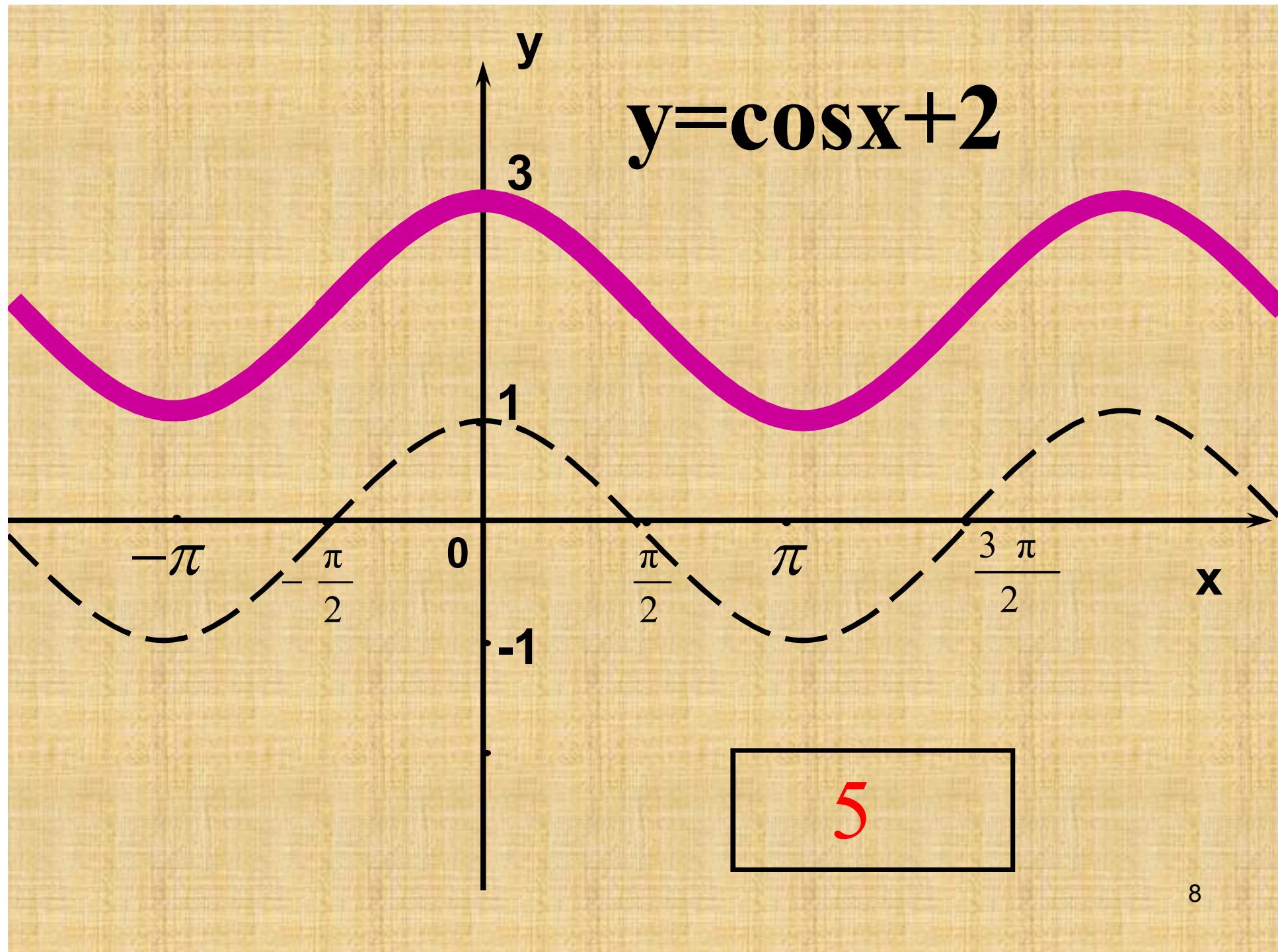


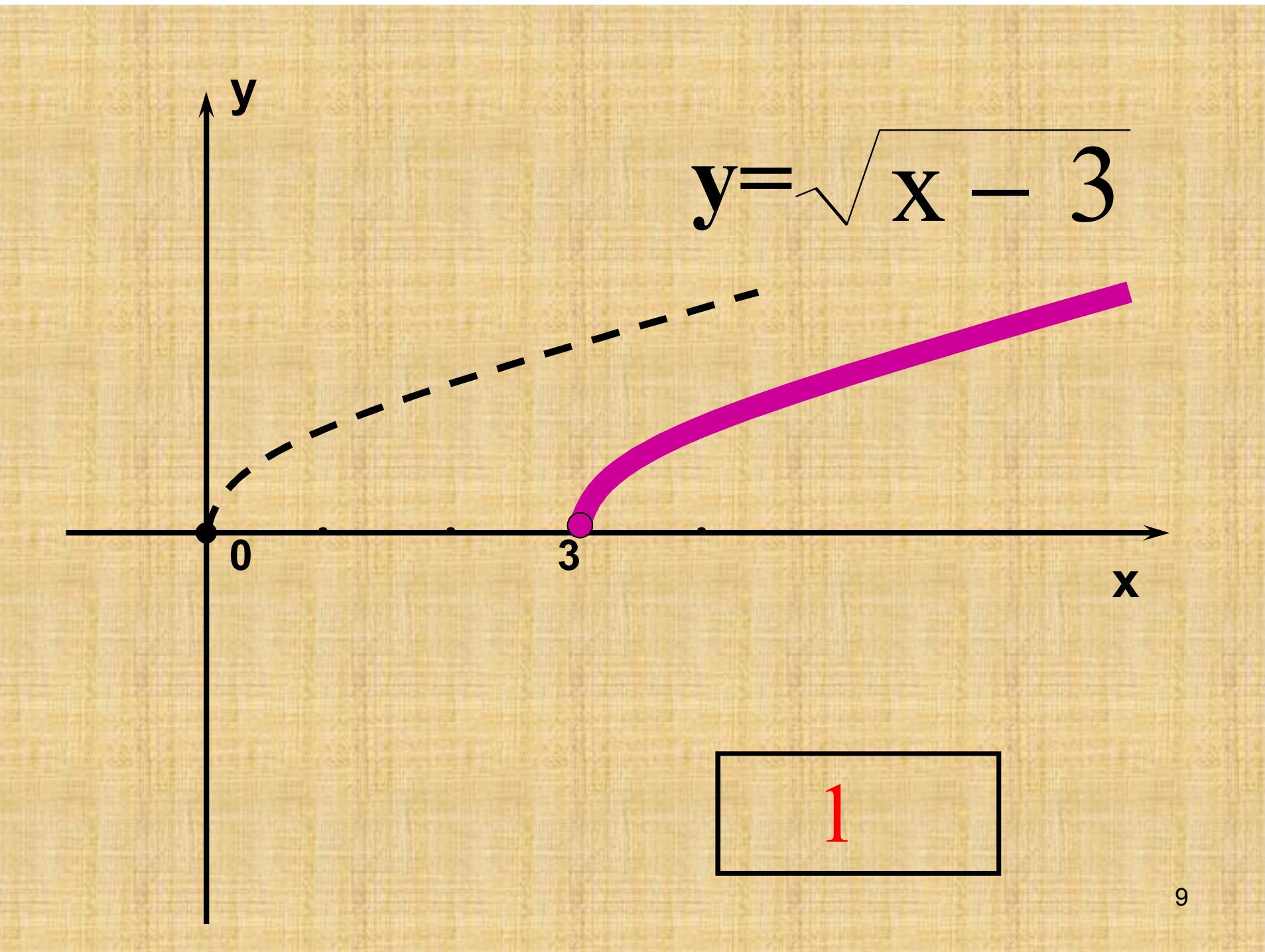


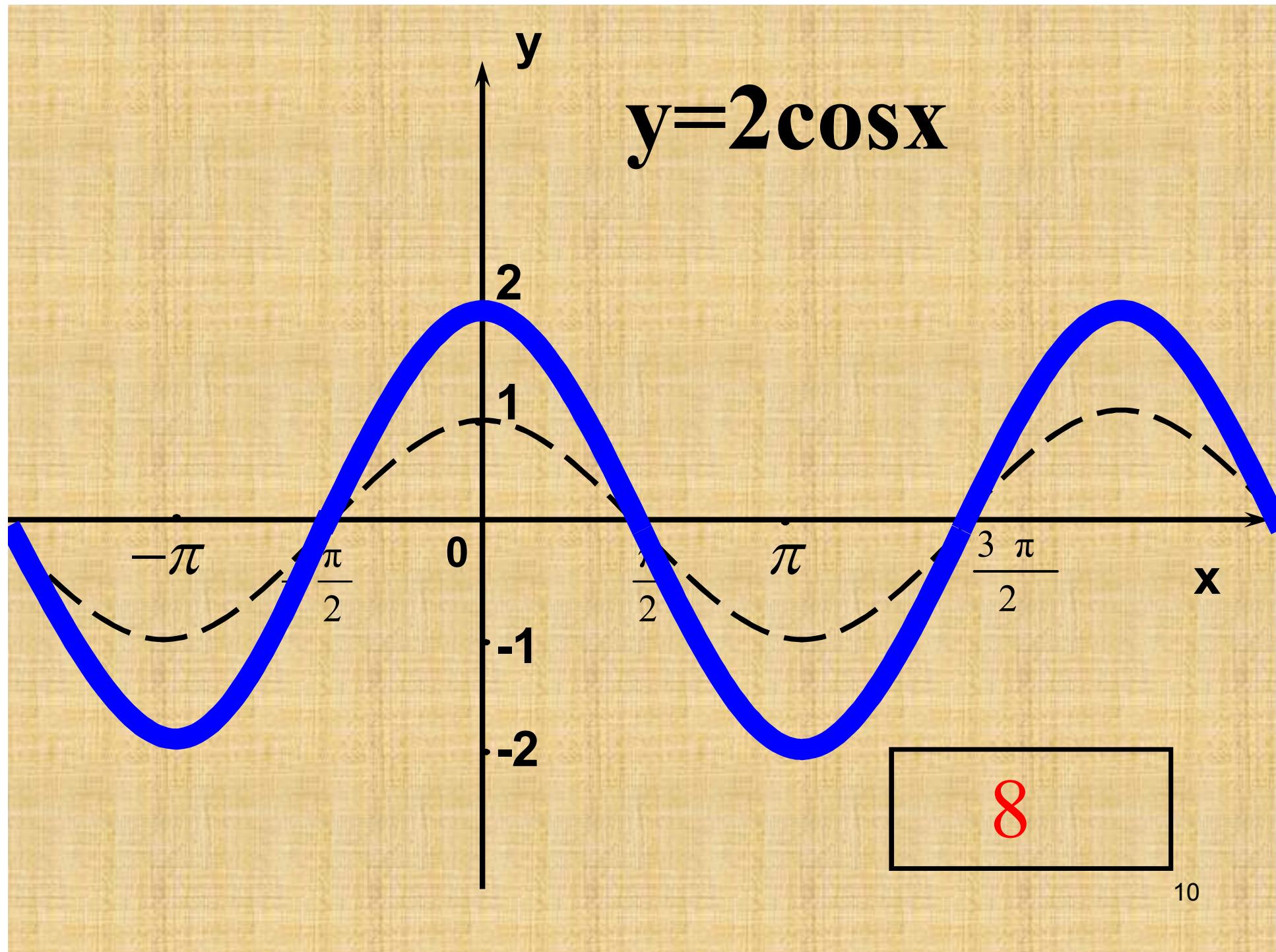


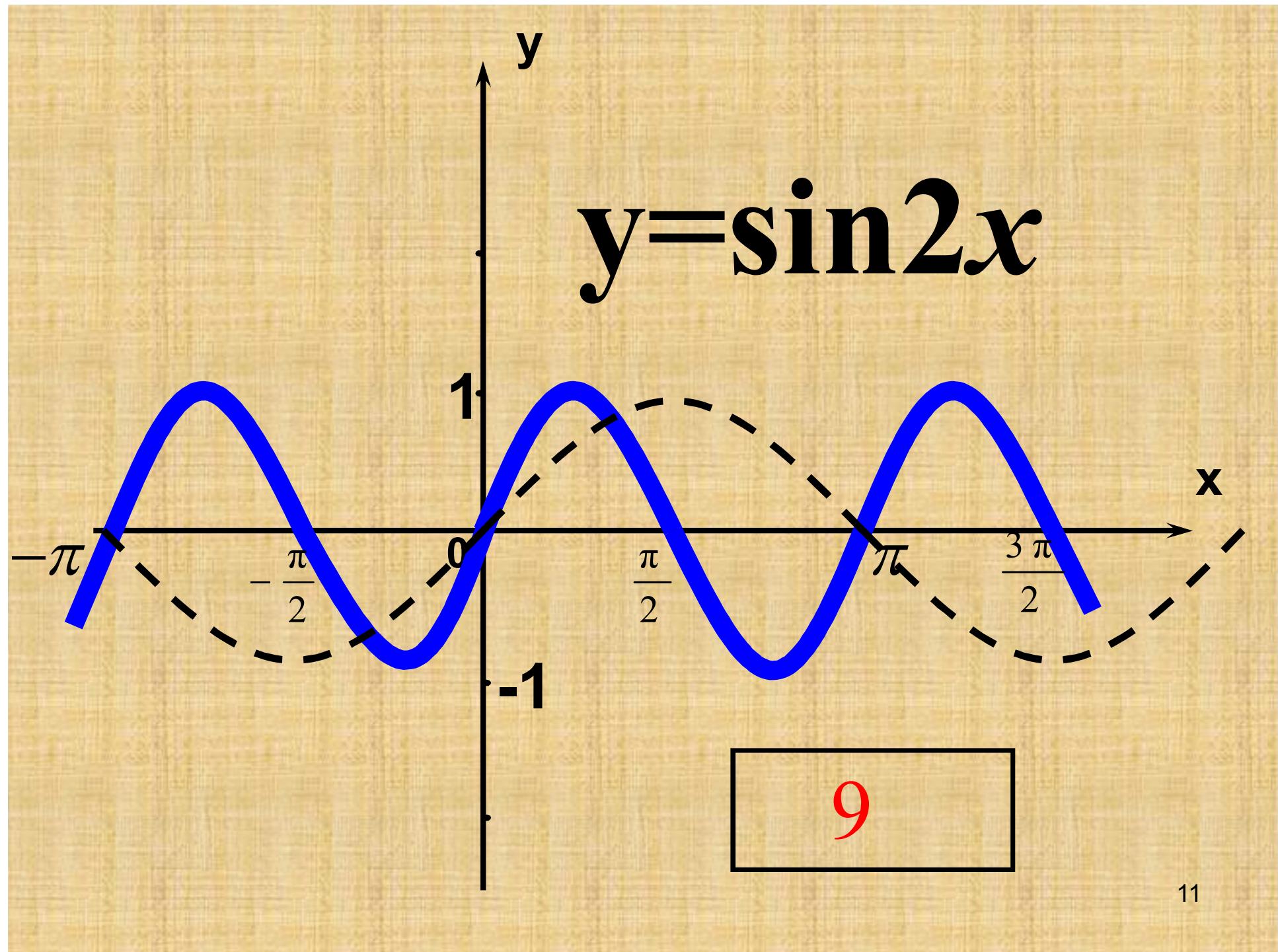
$$y = |f(x)|$$

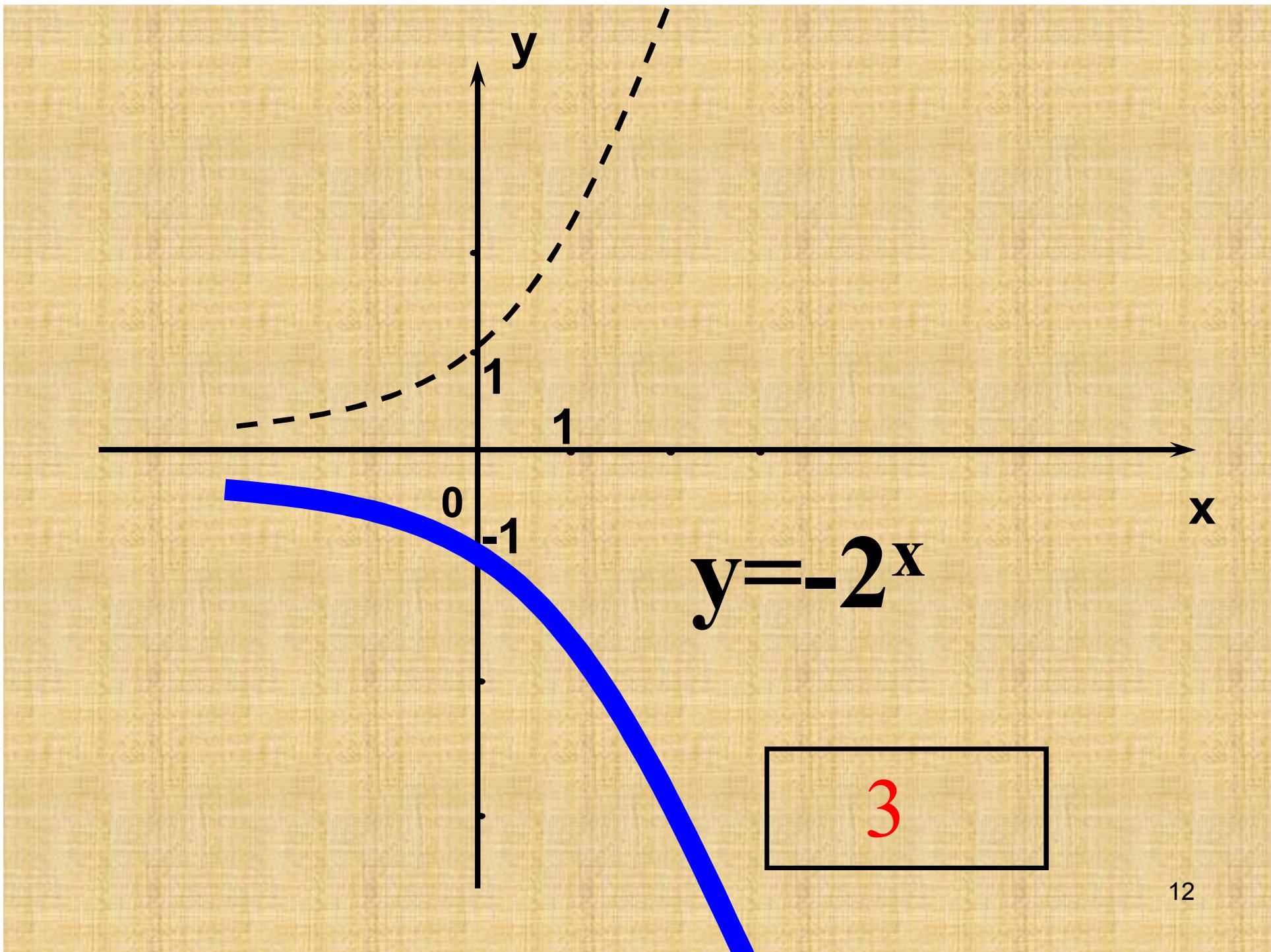




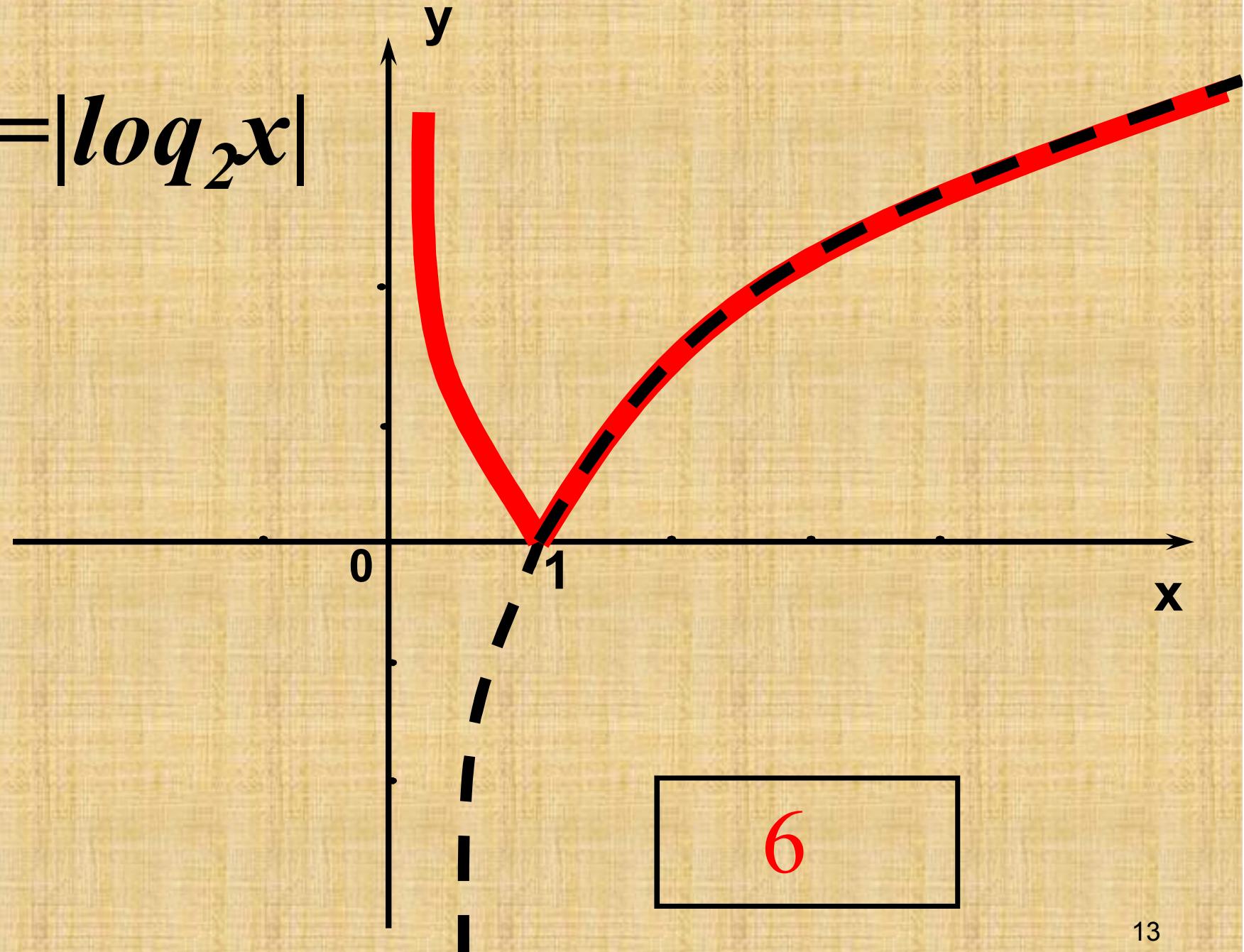


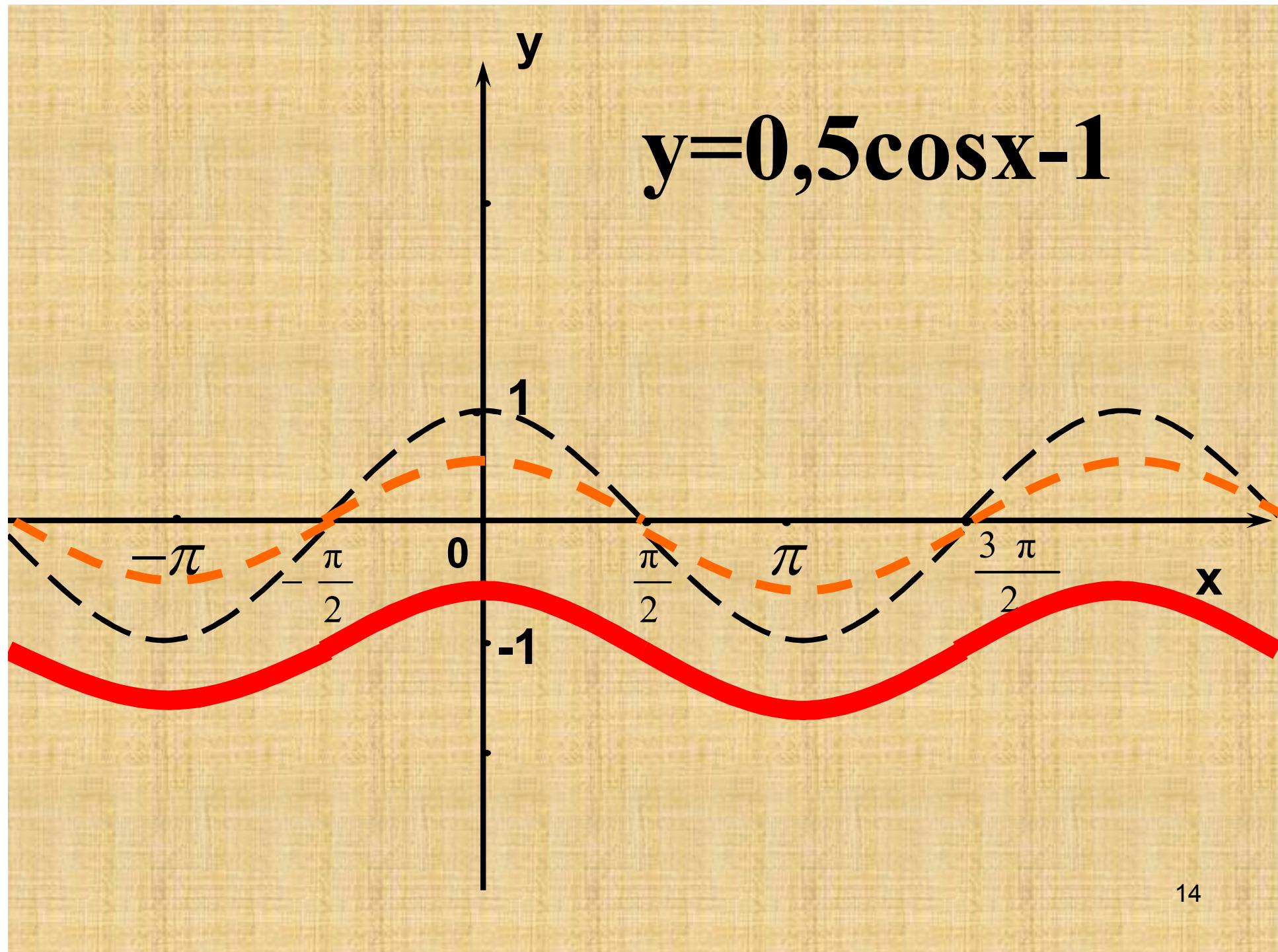


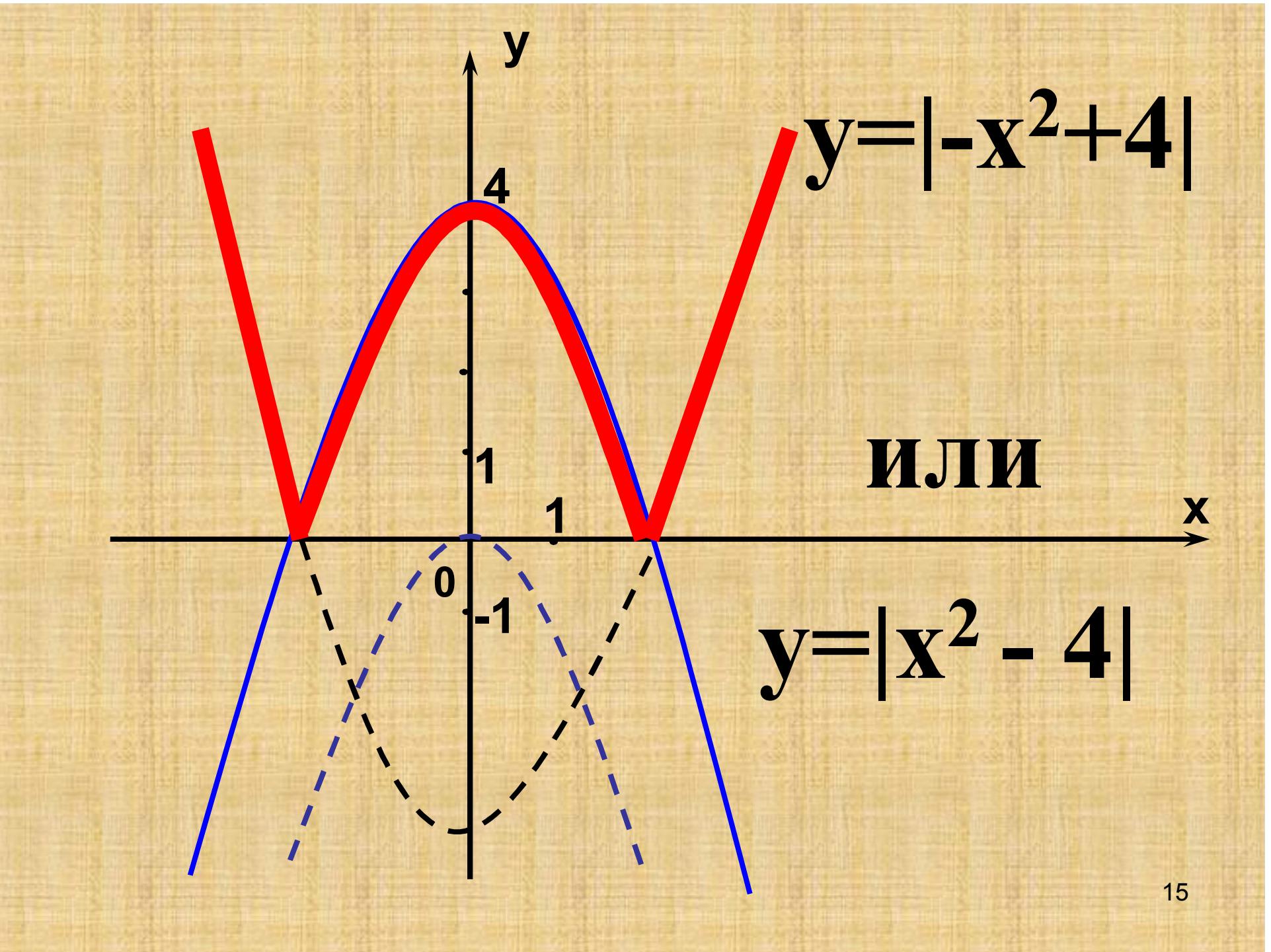




$$y = |\log_2 x|$$

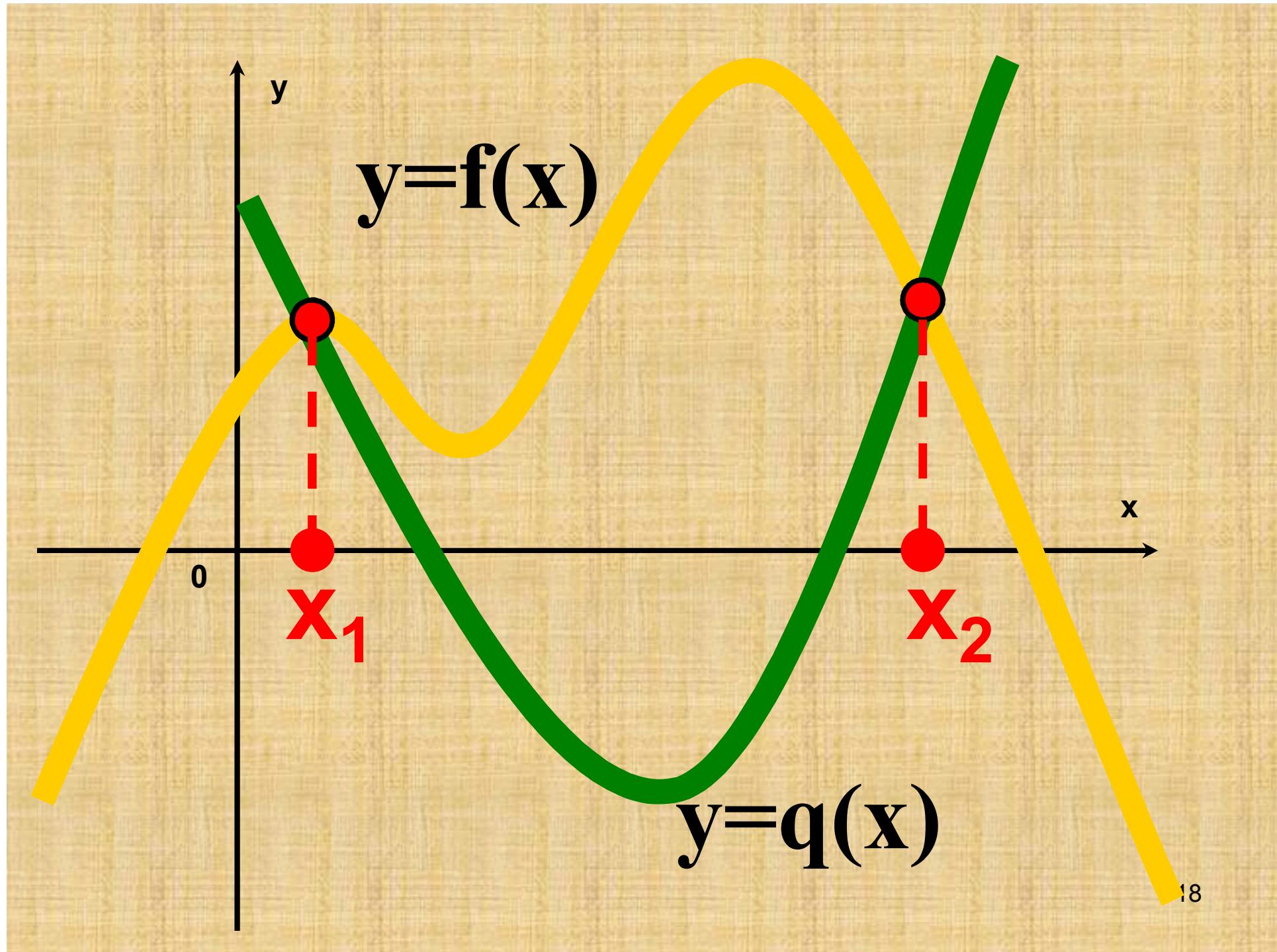






$$f(x) = q(x)$$

$y = f(x)$  $y = q(x)$



# УРАВНЕНИЯ

$$1) \quad x^2 + 2x = 7$$

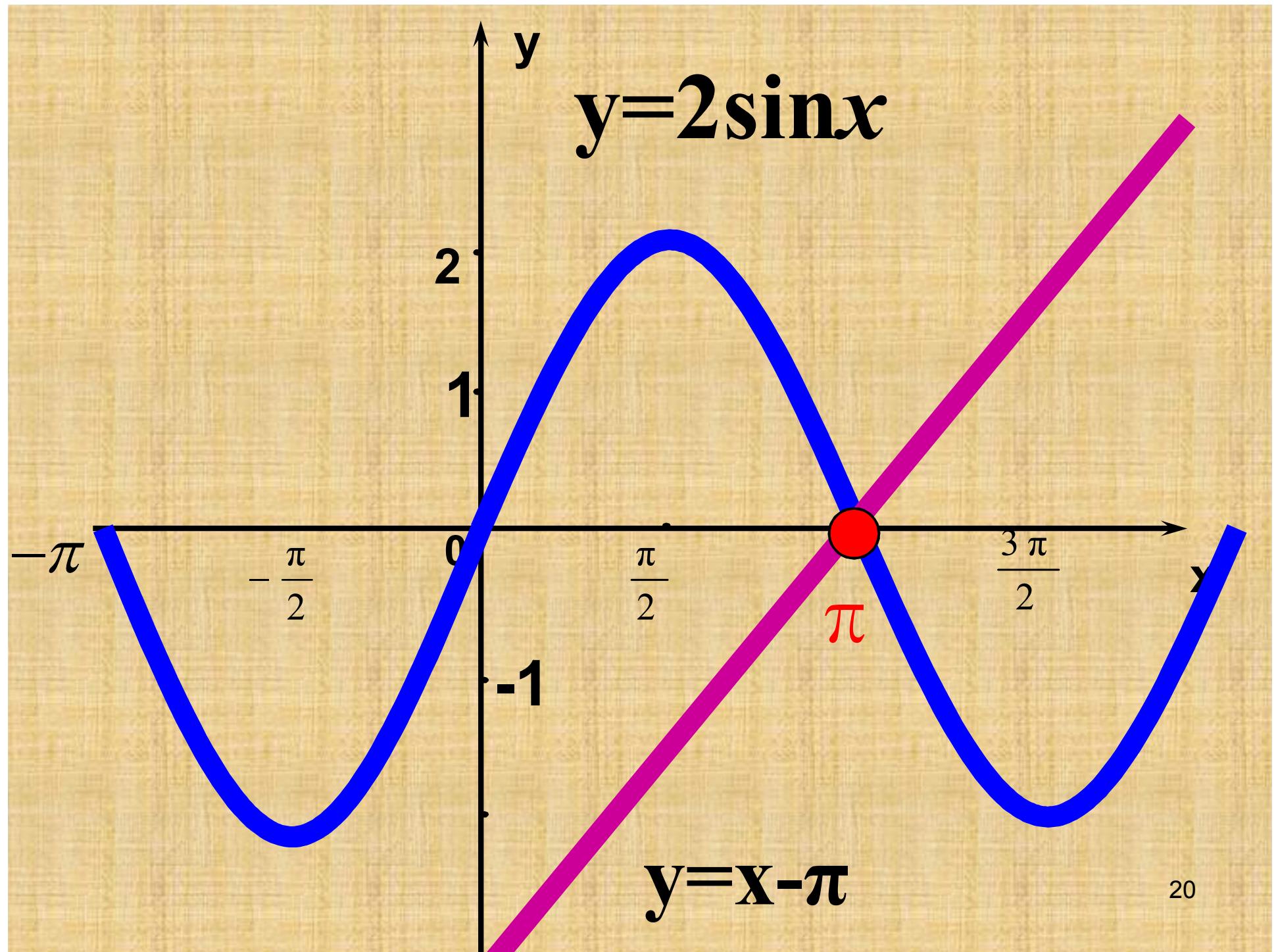
$$2) \quad 2\sin x = x - \pi$$

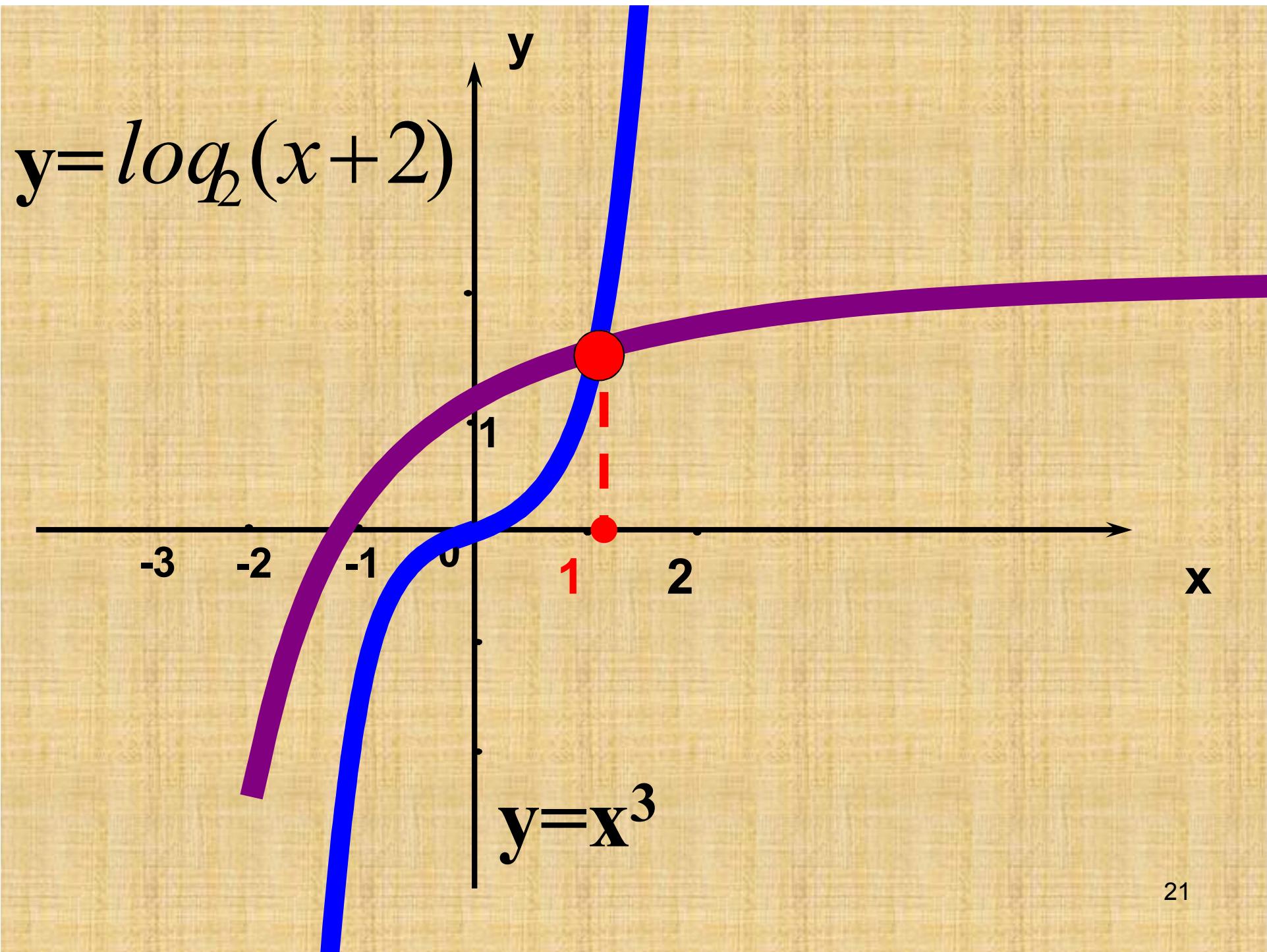
$$3) \quad \cos 2x - \sin x = \sin^2 x + 3$$

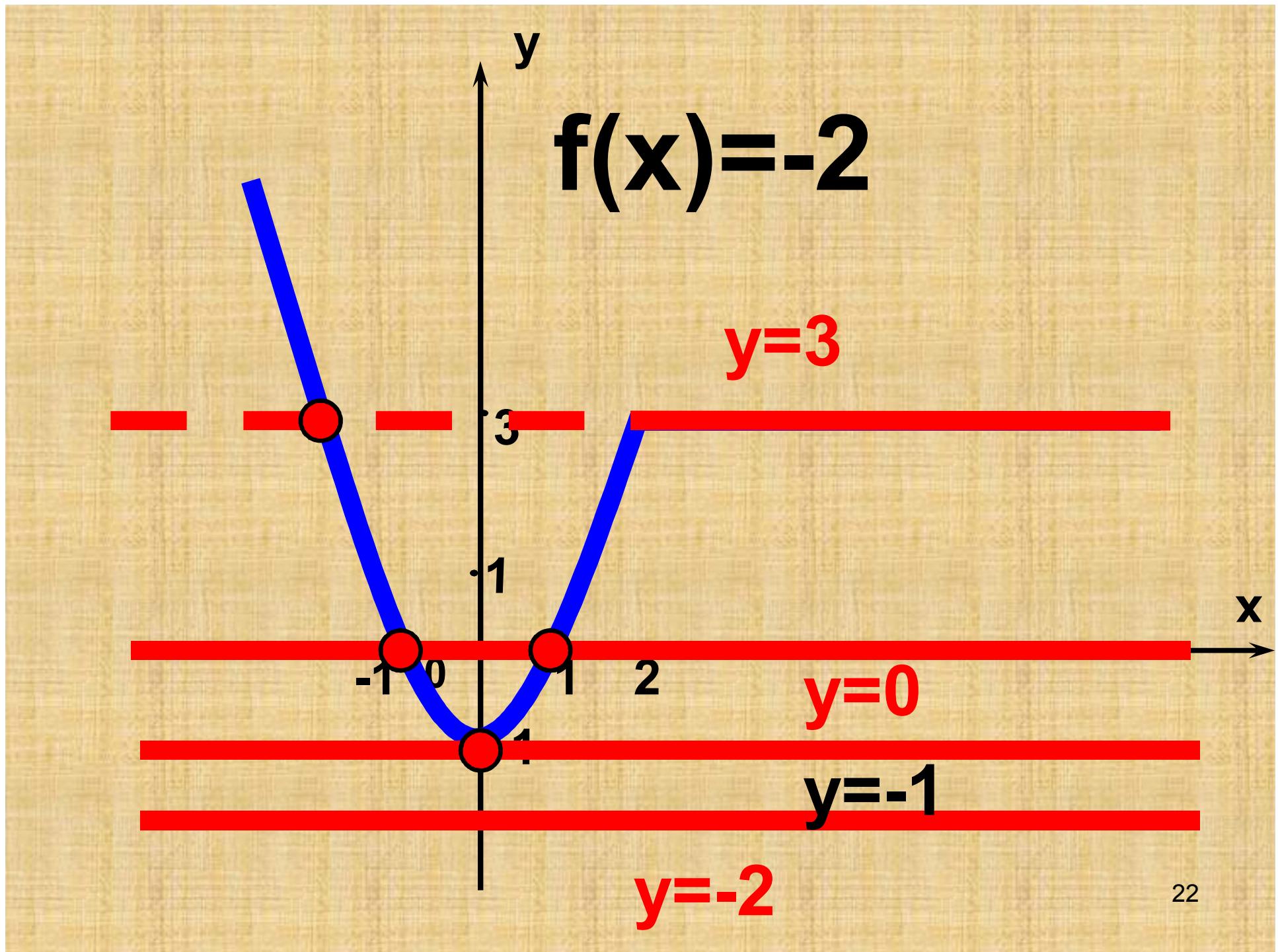
$$4) \quad 4 \cdot 2^{3x} = 8$$

$$5) \quad \log_2(x+2) = x^3$$

$$6) \quad (x^4 + 2x^3 - 2)^{1/2} = 3x^3 - x$$



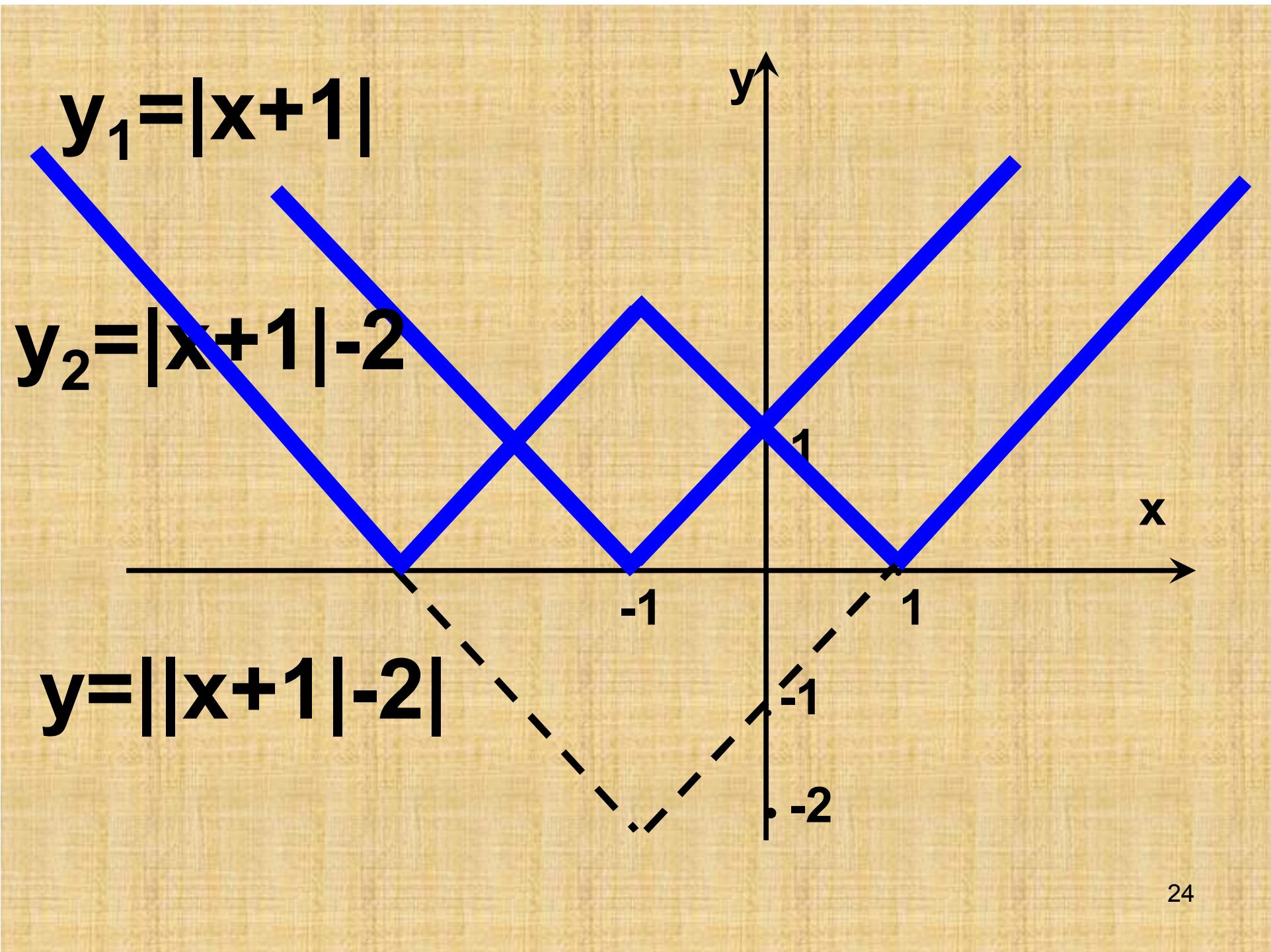




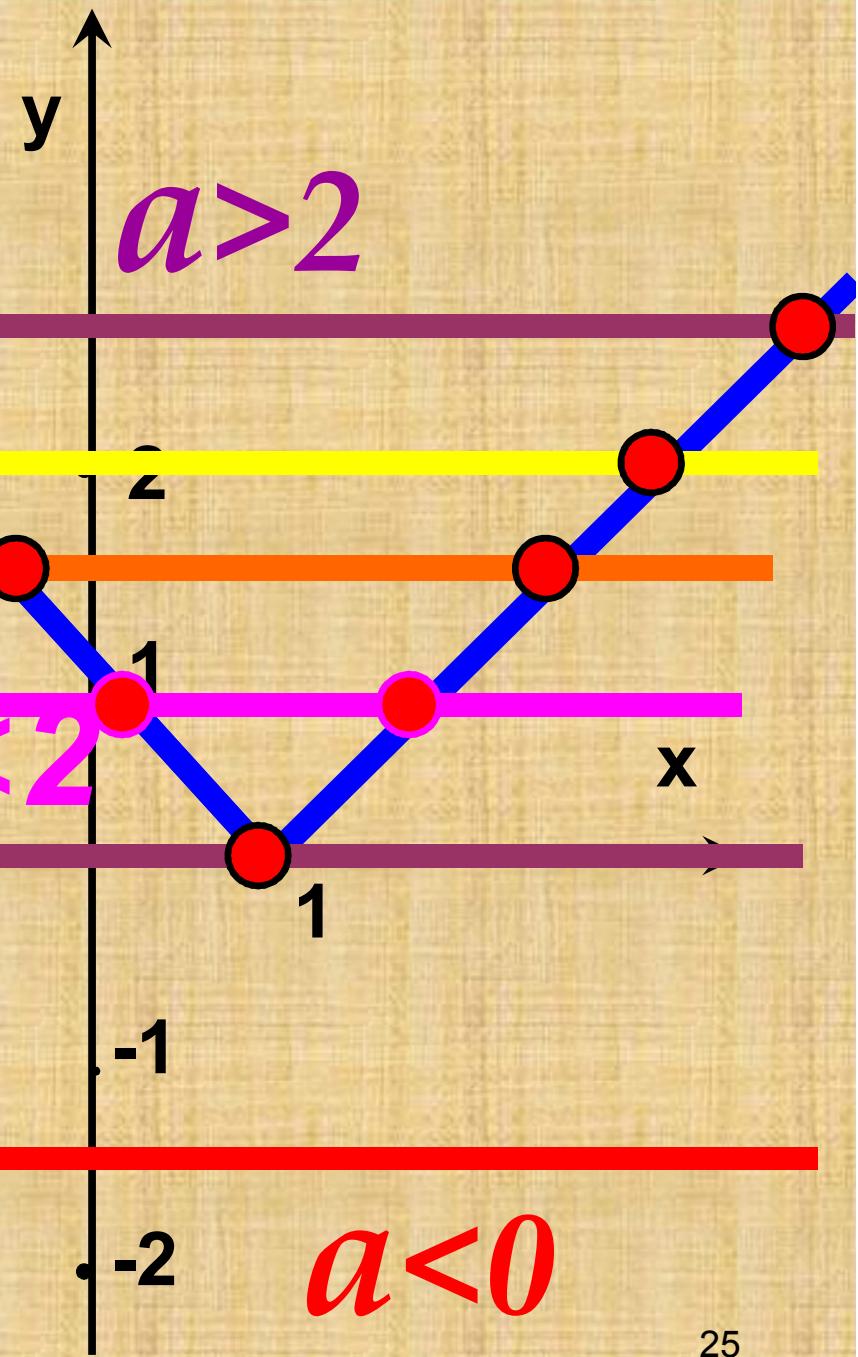
$$||x+1|-2|=1,5$$

$$y=||x+1|-2|$$

$$y=1,5$$



$$||x+1|+2|=a,5$$

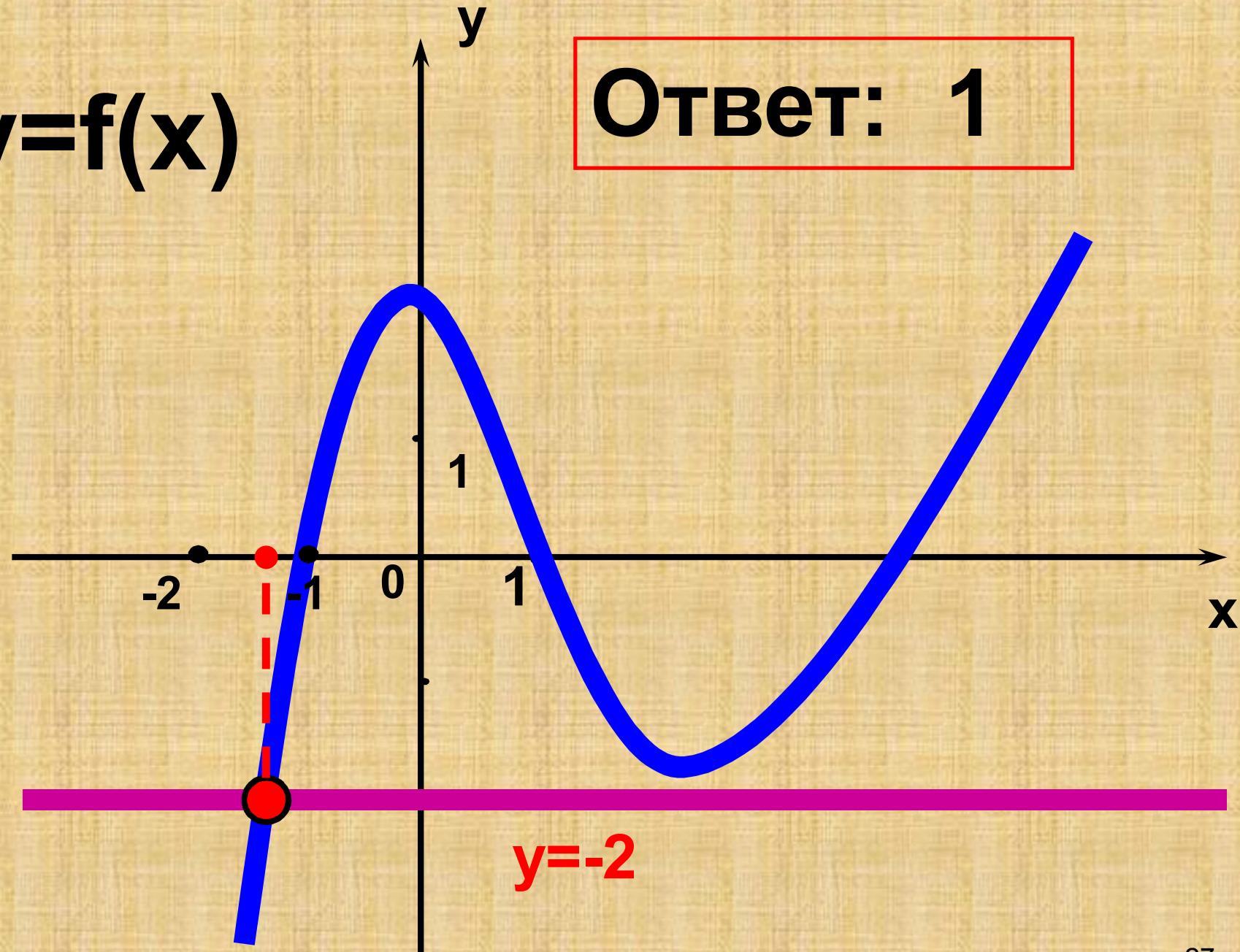


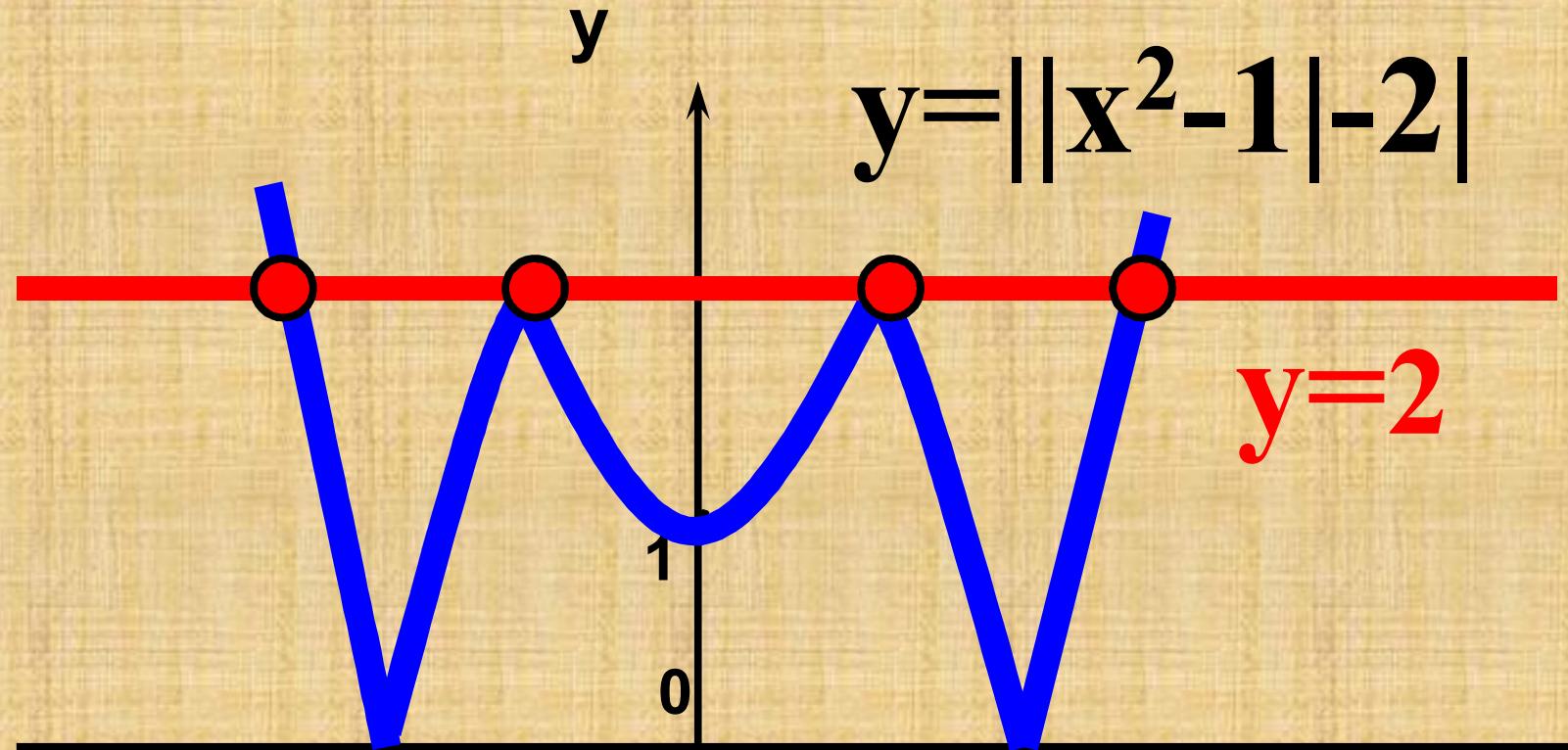
# ОТВЕТ

- 1)Если  $a < 0$ , то уравнение корней не имеет;
- 2)если  $a = 0$  или  $a > 2$ ,то уравнение имеет 2 корня;
- 3)если  $a = 2$ , то уравнение имеет 3 корня;
- 4)если  $0 < a < 2$ ,то уравнение имеет 4 корня.

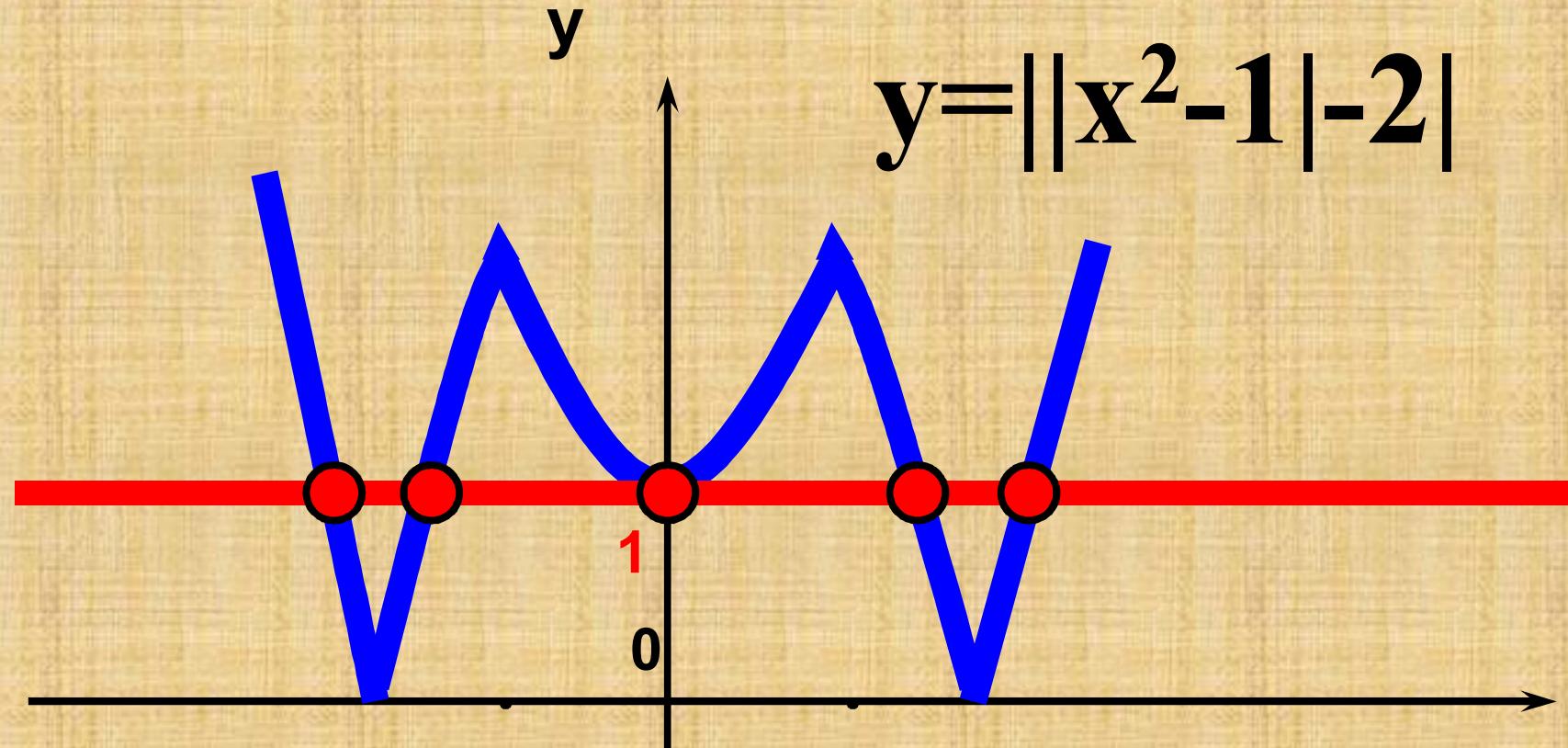
$y=f(x)$

Ответ: 1





Ответ: 4



Ответ:  $a=1$