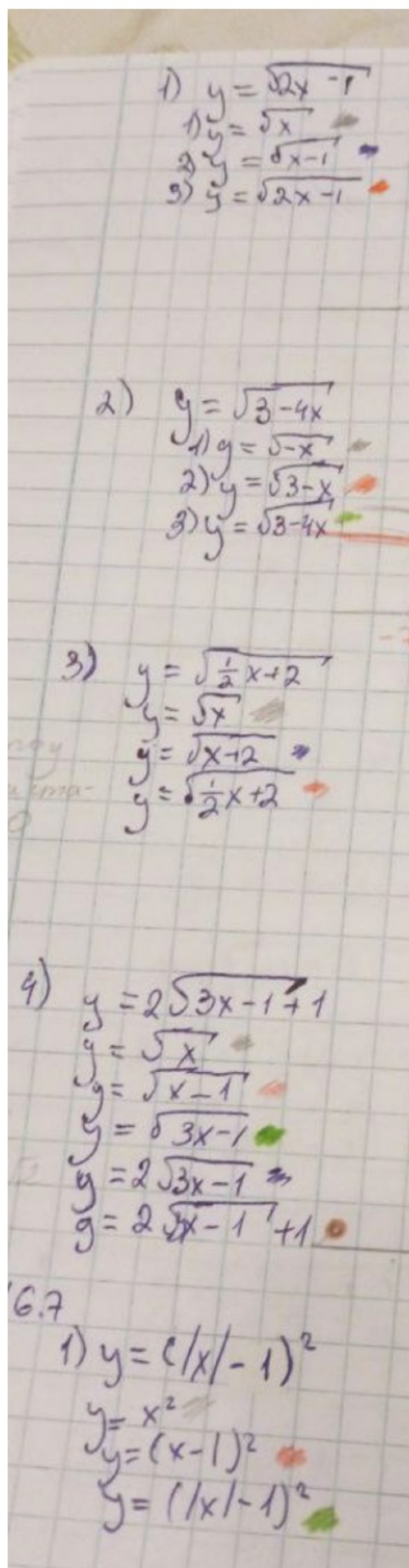


10.10.2023 (вторник)



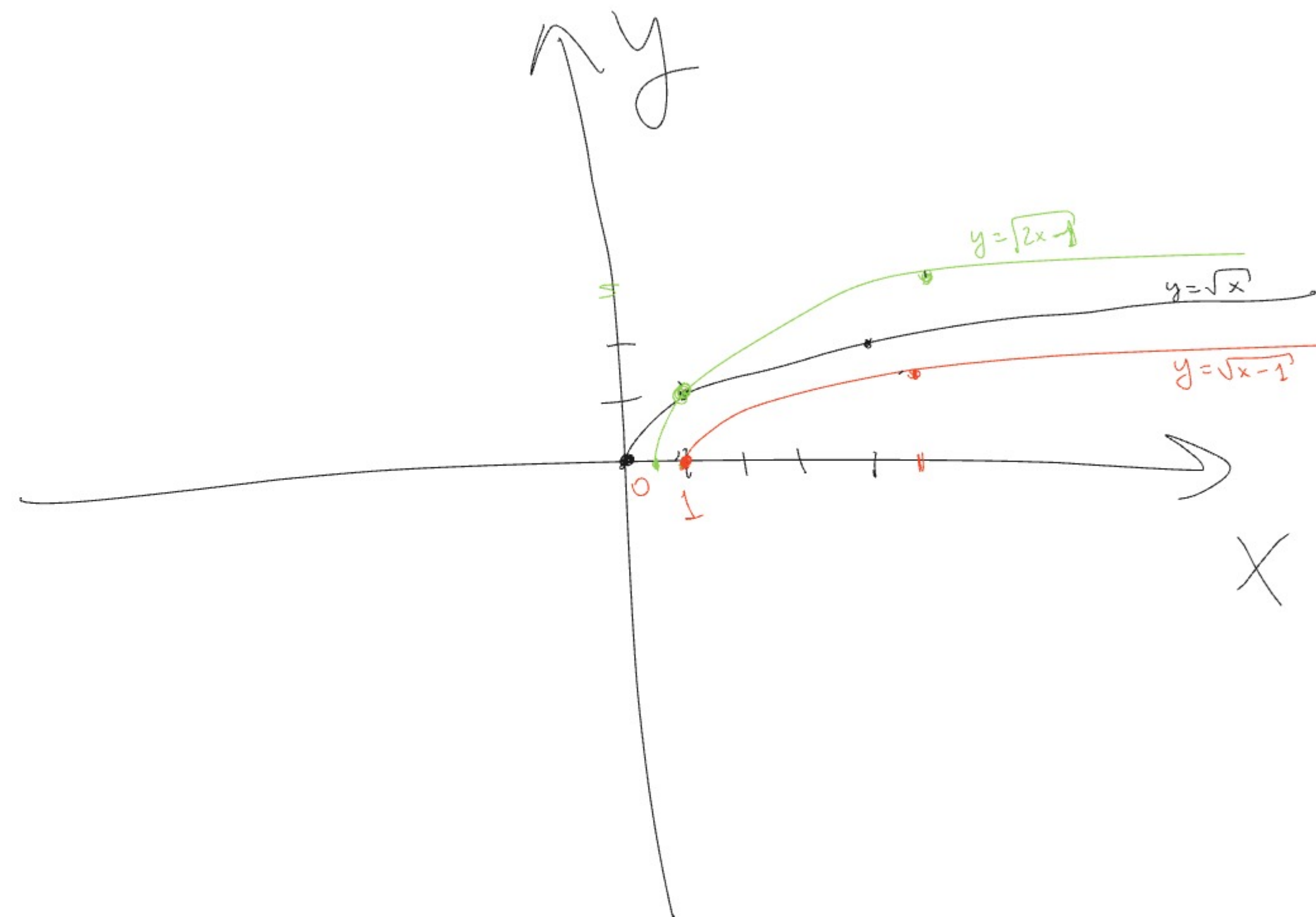
1)

$$y = \sqrt{2x-1}$$

$$y = \sqrt{x}$$

$$y = \sqrt{x-1}$$

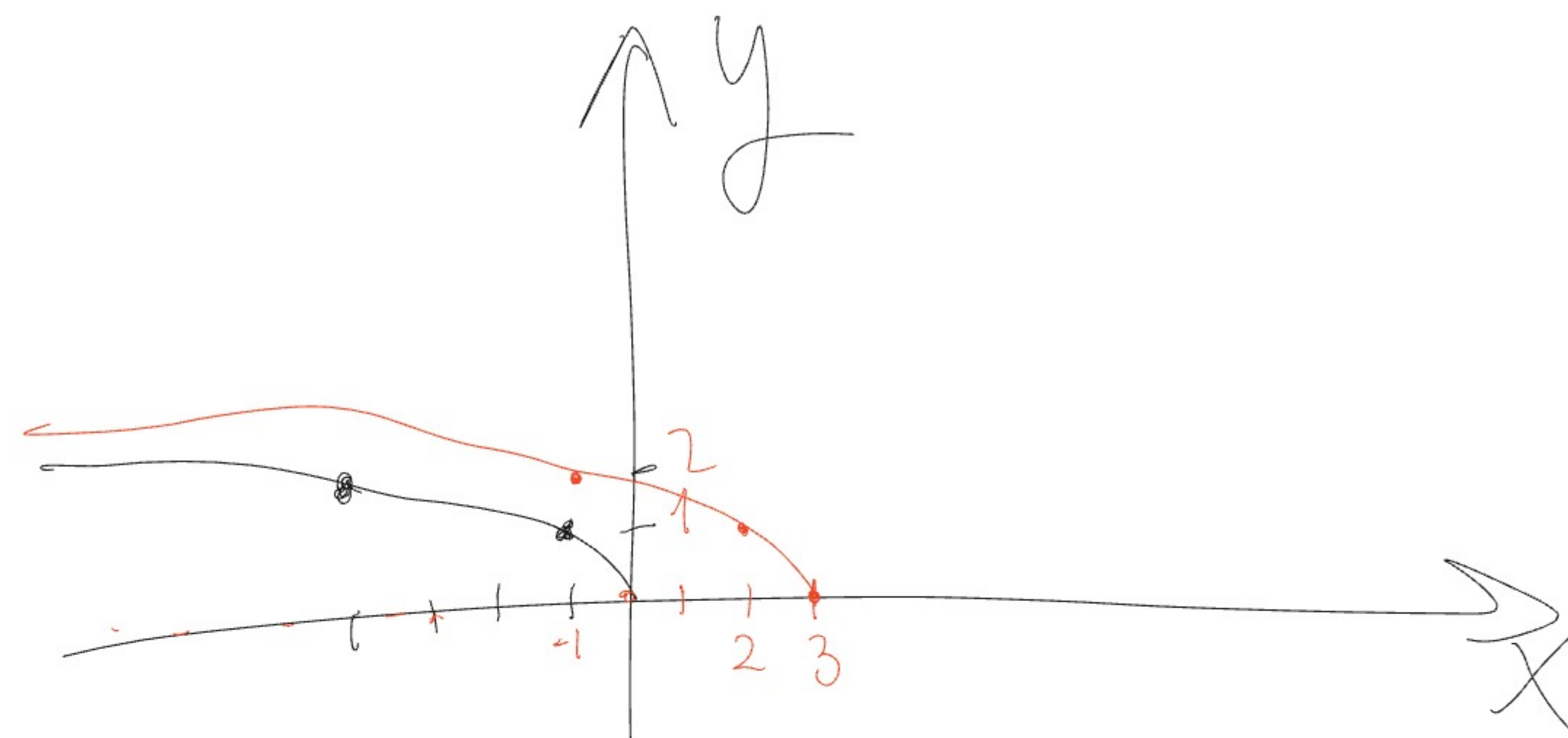
$$y = \sqrt{2x-1}$$



2)

$$y = \sqrt{3-4x}$$

$$y = \sqrt{-x}$$



$$y = \sqrt{3-x} = \sqrt{-x+3}$$

$$y = \sqrt{3-4x}$$

$$y = \sqrt{-x+3}$$

$$\textcircled{1} \sqrt{-x+3} \quad | \uparrow^2$$

$$1 = -x+3$$

$$x = 3 - 1 = \textcircled{2}$$

$$2 = \sqrt{-x+3} \quad | \uparrow^2$$

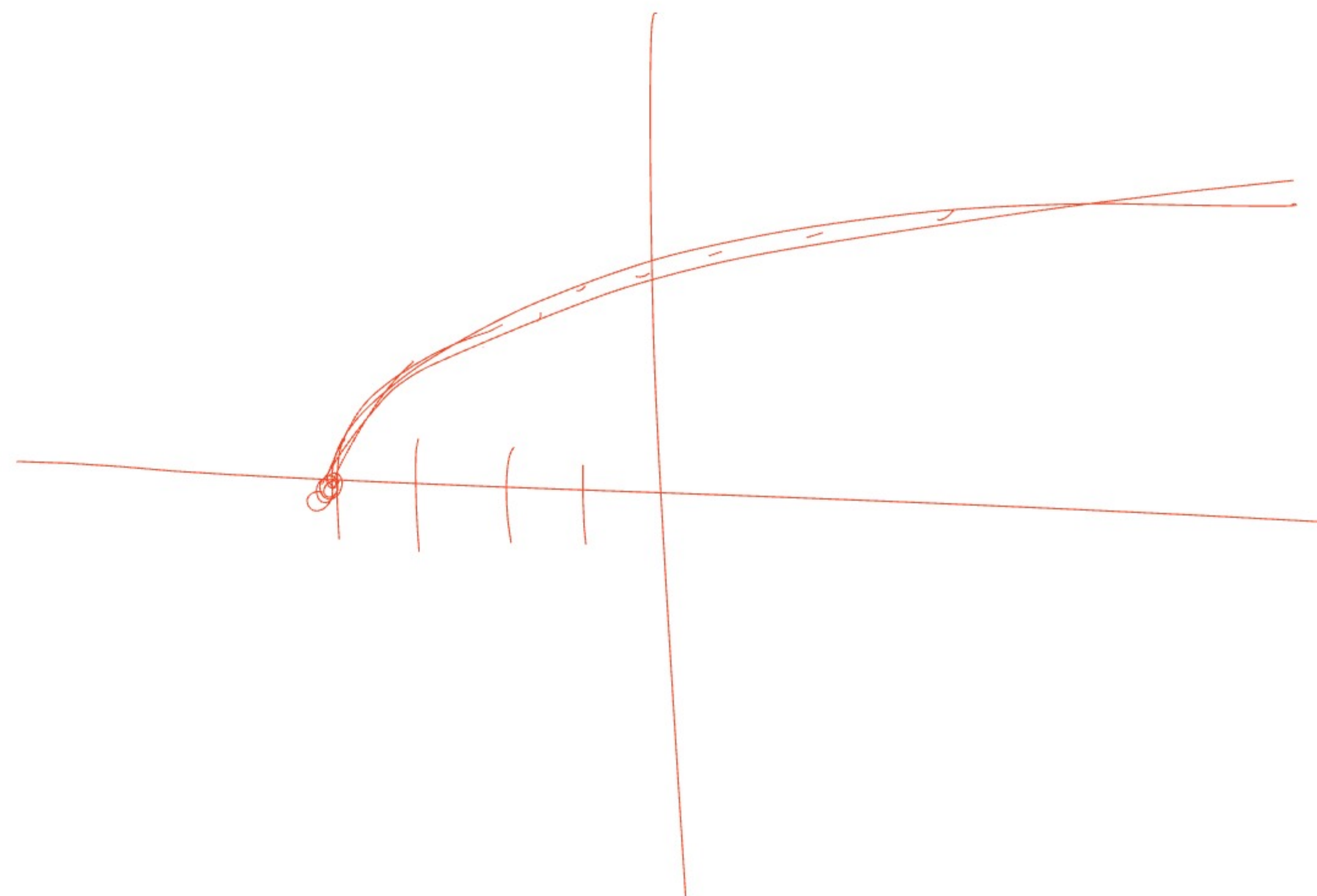
$$\textcircled{4} = -x+3$$

$$x = -3 - 4$$

$$x = -7$$

$$\textcircled{1} = \sqrt{-x+3}$$

$$\sqrt{x+4}$$





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

$a > 0$ , по  $x \leftarrow$   
 $a < 0$ , по  $x \rightarrow$

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

$b > 0$ , по  $y \uparrow$   
 $b < 0$ , по  $y \downarrow$

$$y = kf(x)$$

$k > 0$ , ближе к  $y$   
 $k < 0$ , дальше от  $y$

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

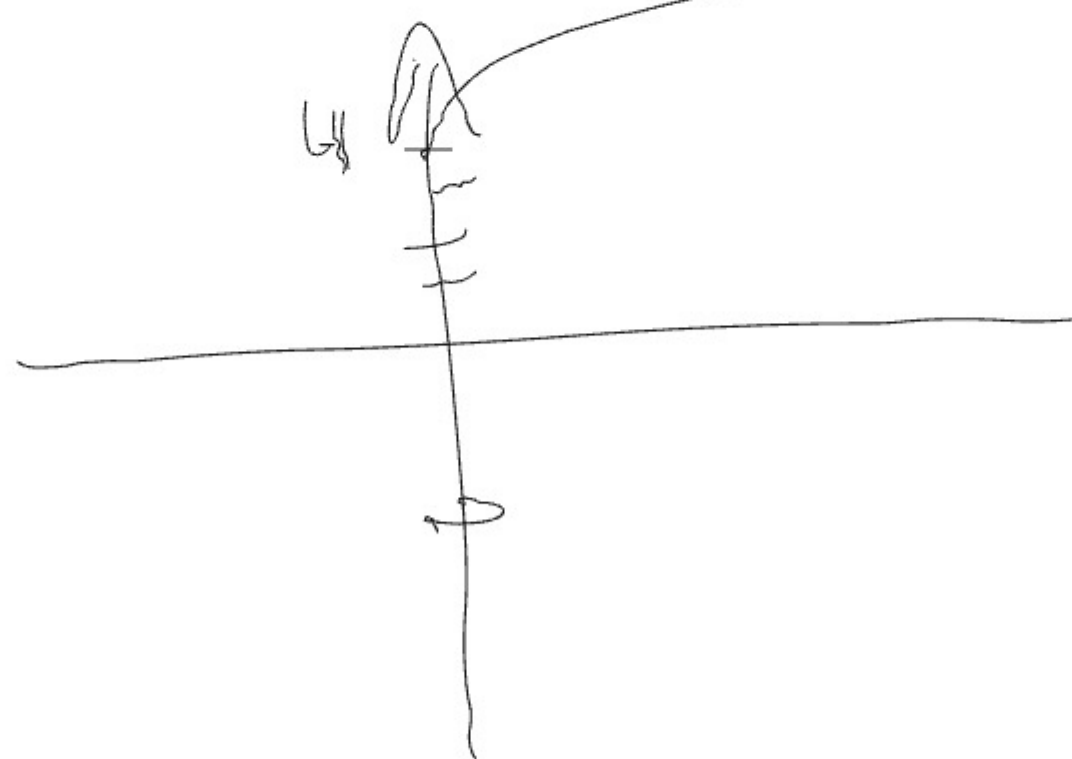
$f(x)$ ,  $x \geq 0$   
 $f(-x)$ ,  $x < 0$

рисует

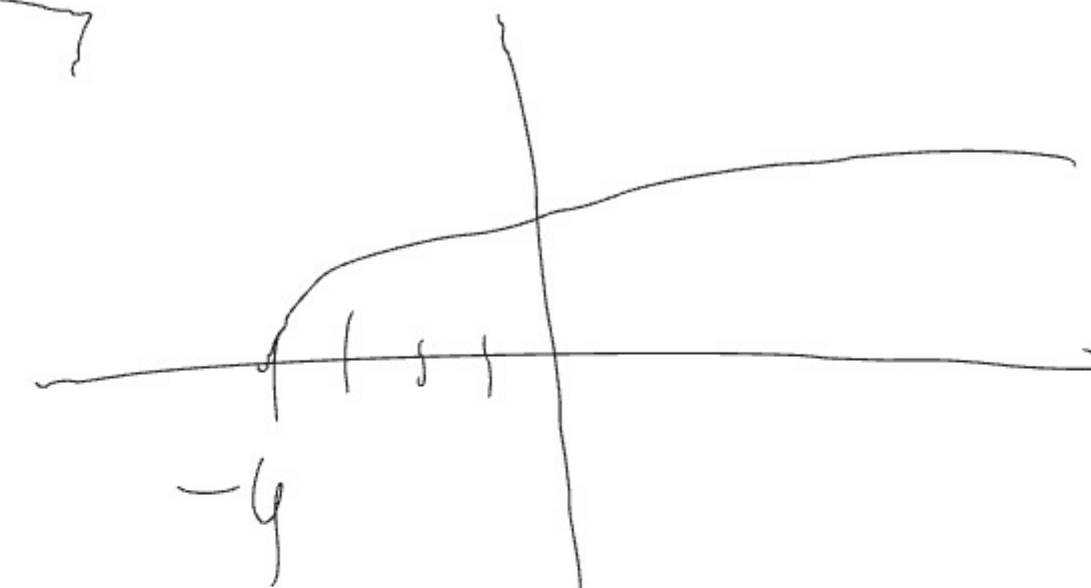
$$y = |f(x)|$$

$f(x)$ ,  $x \geq 0$   
 $f(x)$ ,  $x < 0$

$$\sqrt{x+4}$$



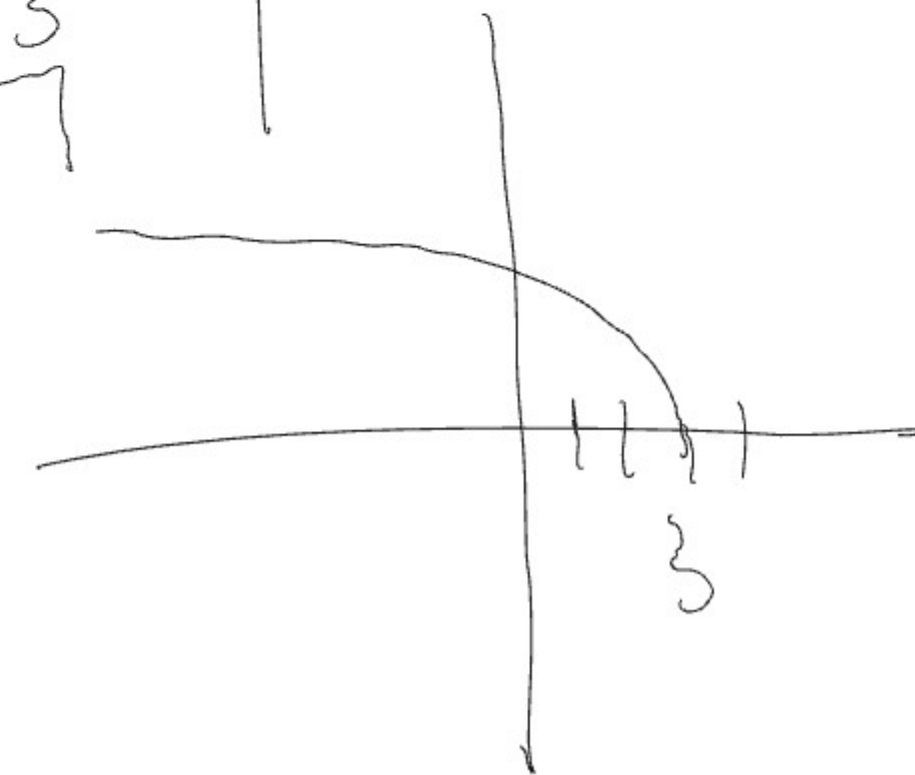
$$\sqrt{x+4}$$



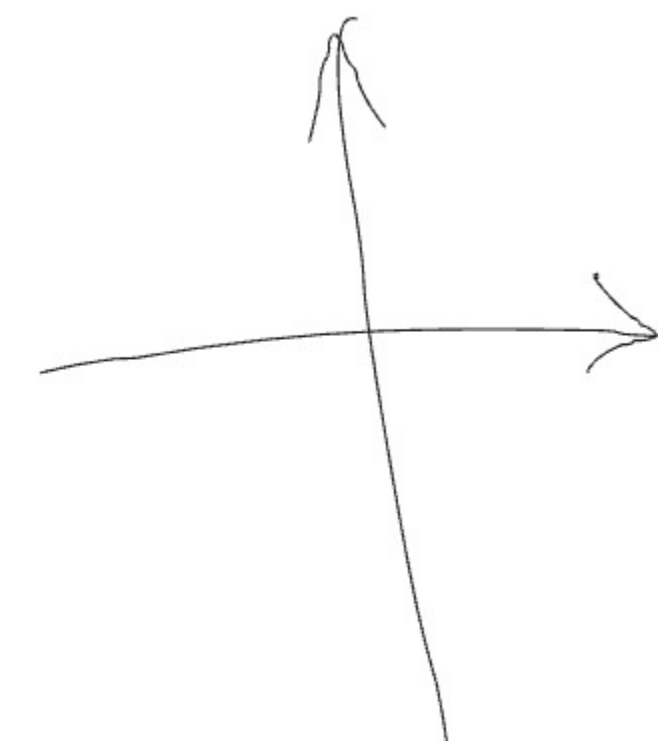
$$\sqrt{x+3}$$



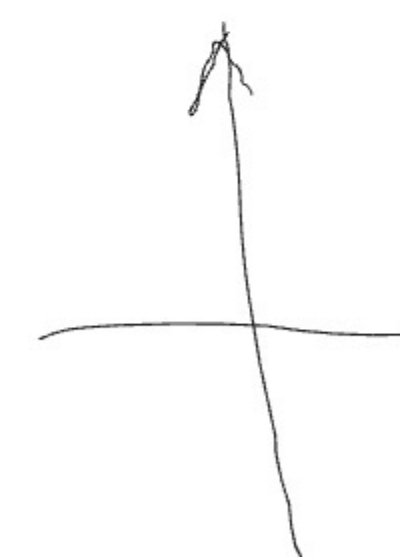
$$\sqrt{-x+3}$$



$$\sqrt{3x+4}$$

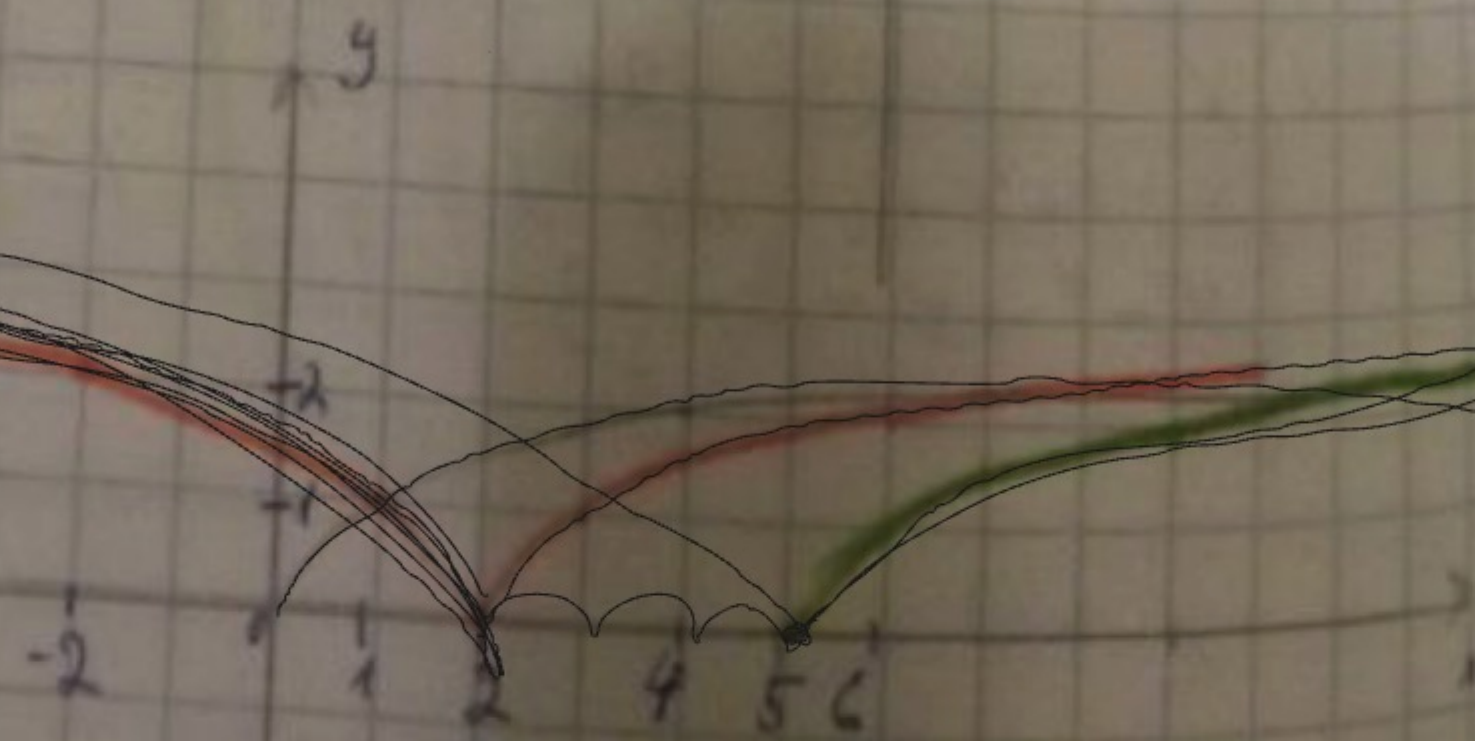


$$\sqrt{2x-4}$$





2)  $y = \sqrt{|x-2|-3}$   
 $y = \sqrt{x}$   
 $y = \sqrt{x-2}$   
 $y = \sqrt{|x-2|}$   
 $y = \sqrt{|x-2|-3}$

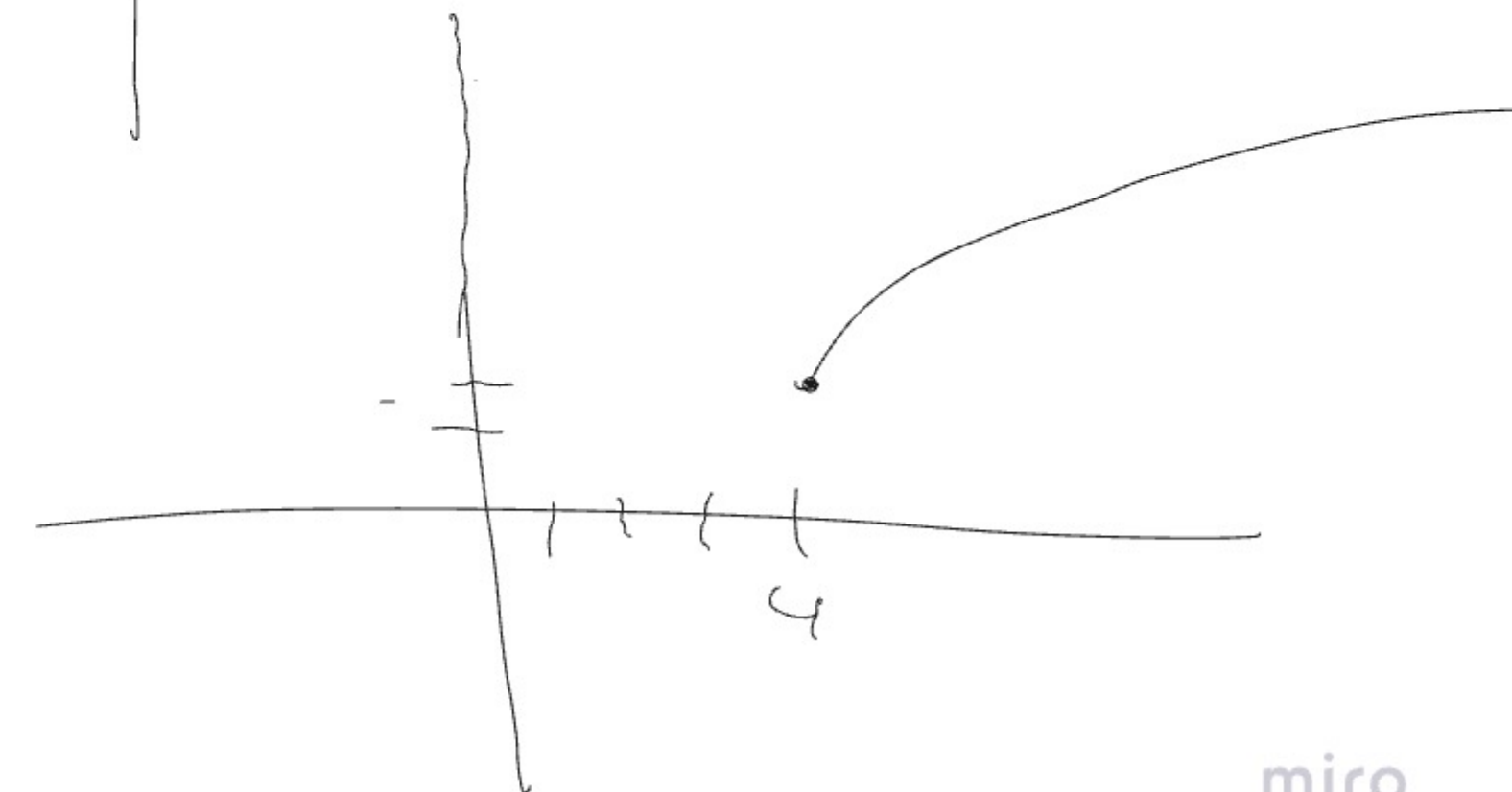
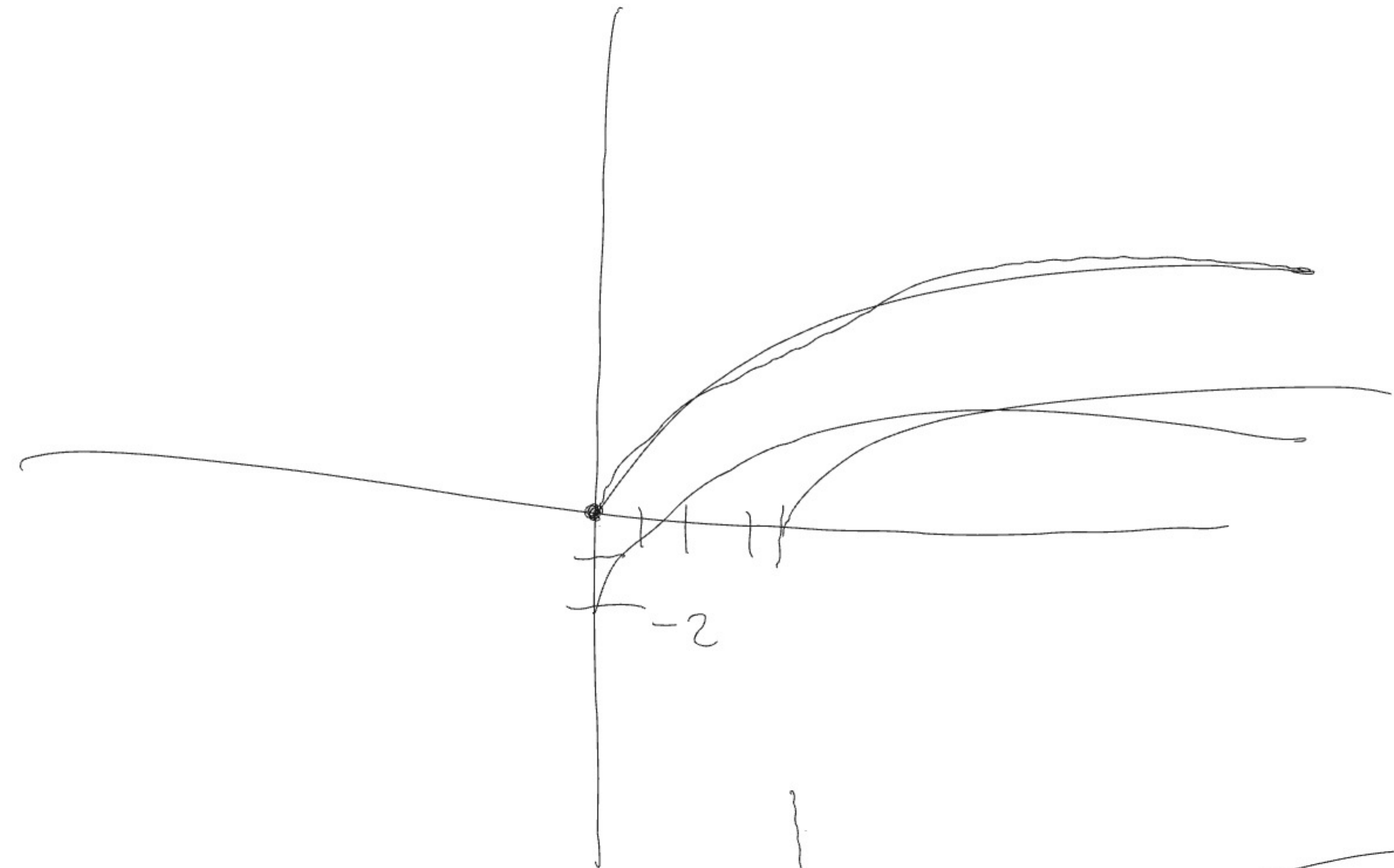


$$y = \sqrt{x}$$

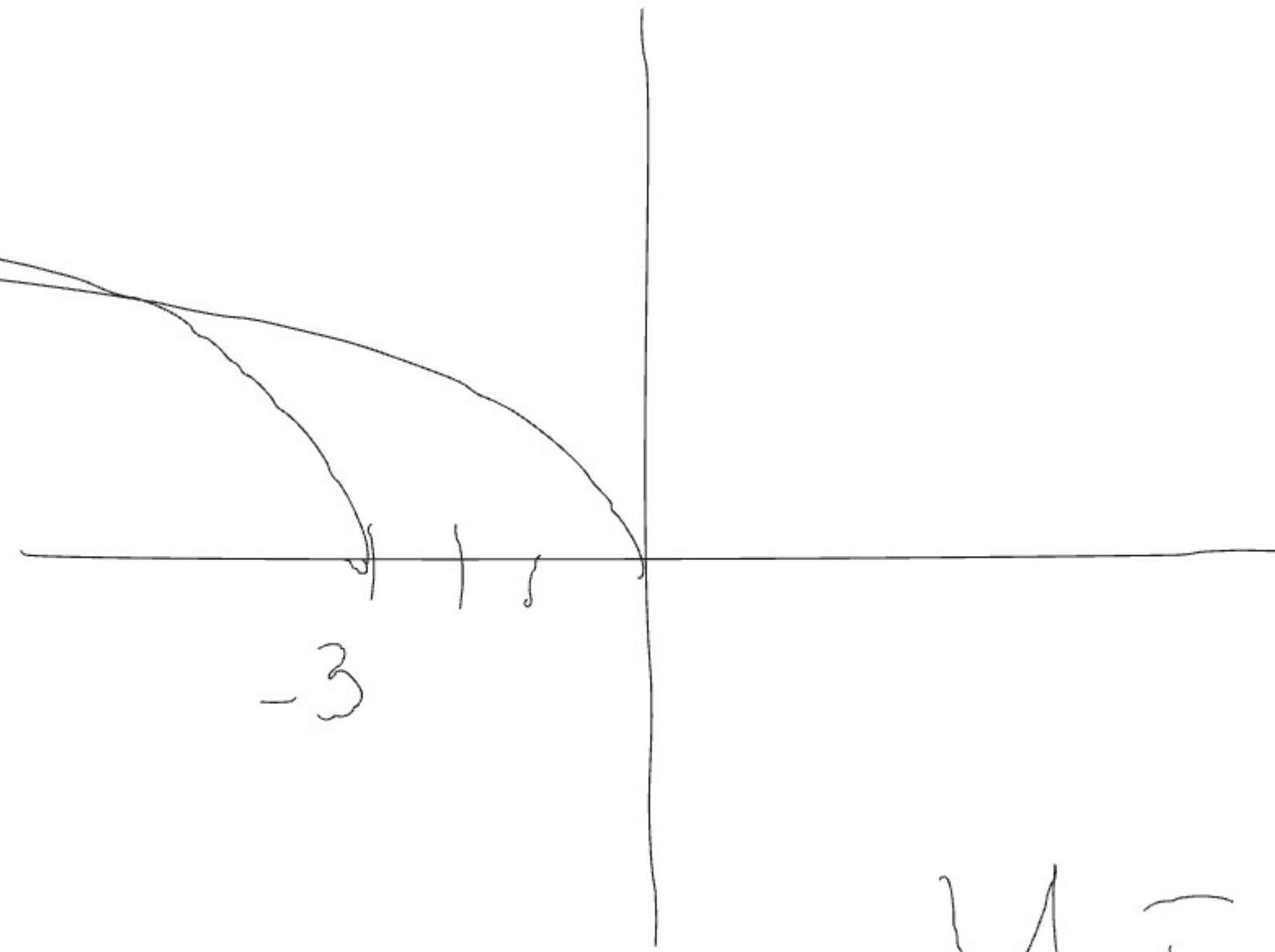
$$y = \sqrt{x-4}$$

$$y = \sqrt{x} - 2$$

$$y = \sqrt{x-4} + 2$$



$$y = \sqrt{-x}$$



$$y = \sqrt{-x-3}$$

$$y = \sqrt{2-x+4} + 2 = \sqrt{-x+6} + 2$$

$$y = \sqrt{3-x} = \sqrt{-x+3}$$

