

The image features a lush, green background with various plants and small pink flowers. Overlaid on this is the text 'Актуализация знаний' in a large, bold, sans-serif font. Each letter of the text is filled with a different color from a rainbow spectrum, creating a vibrant and eye-catching effect. The text is centered horizontally and occupies the middle portion of the image.

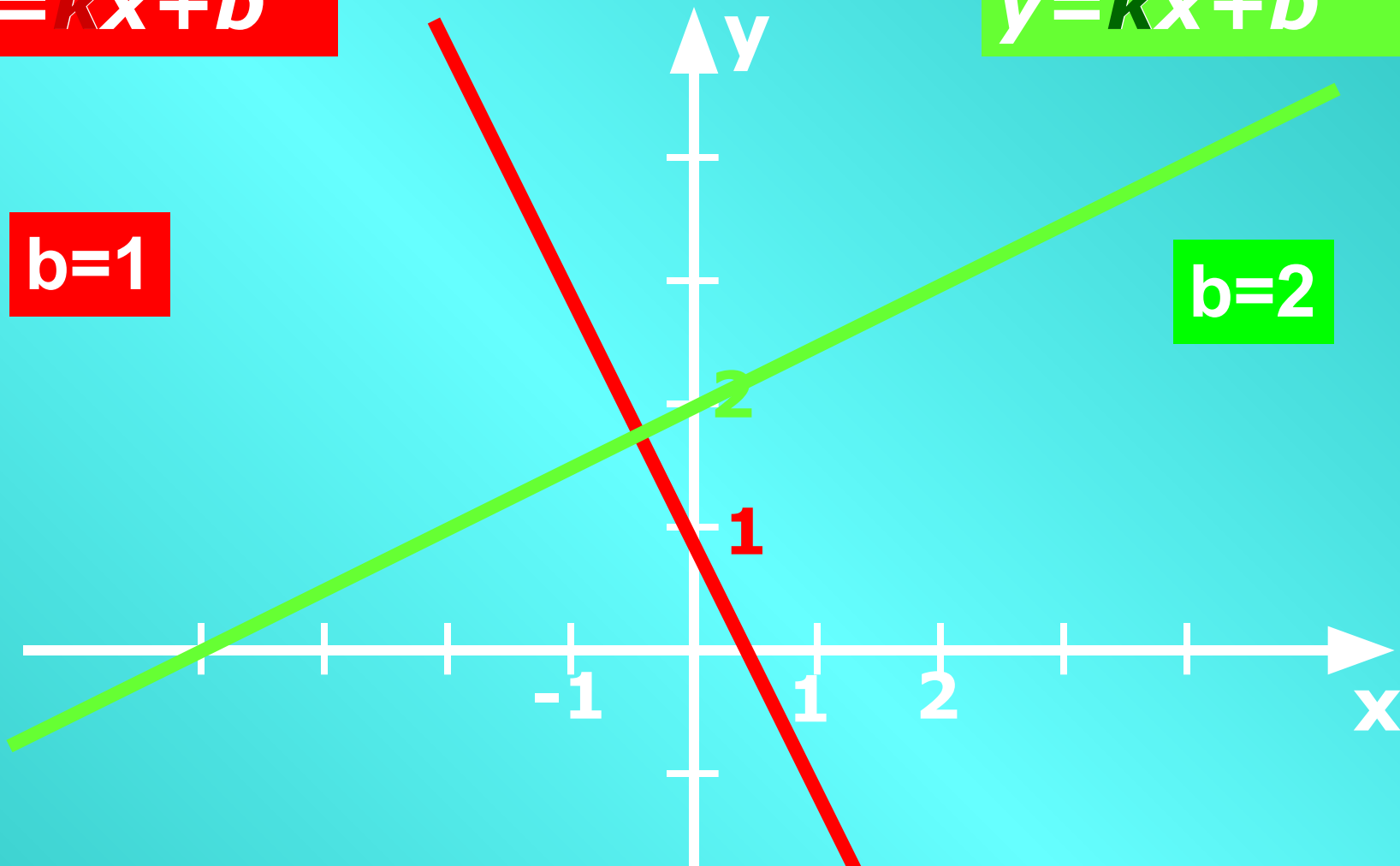
Актуализация знаний

$$y=kx+b$$

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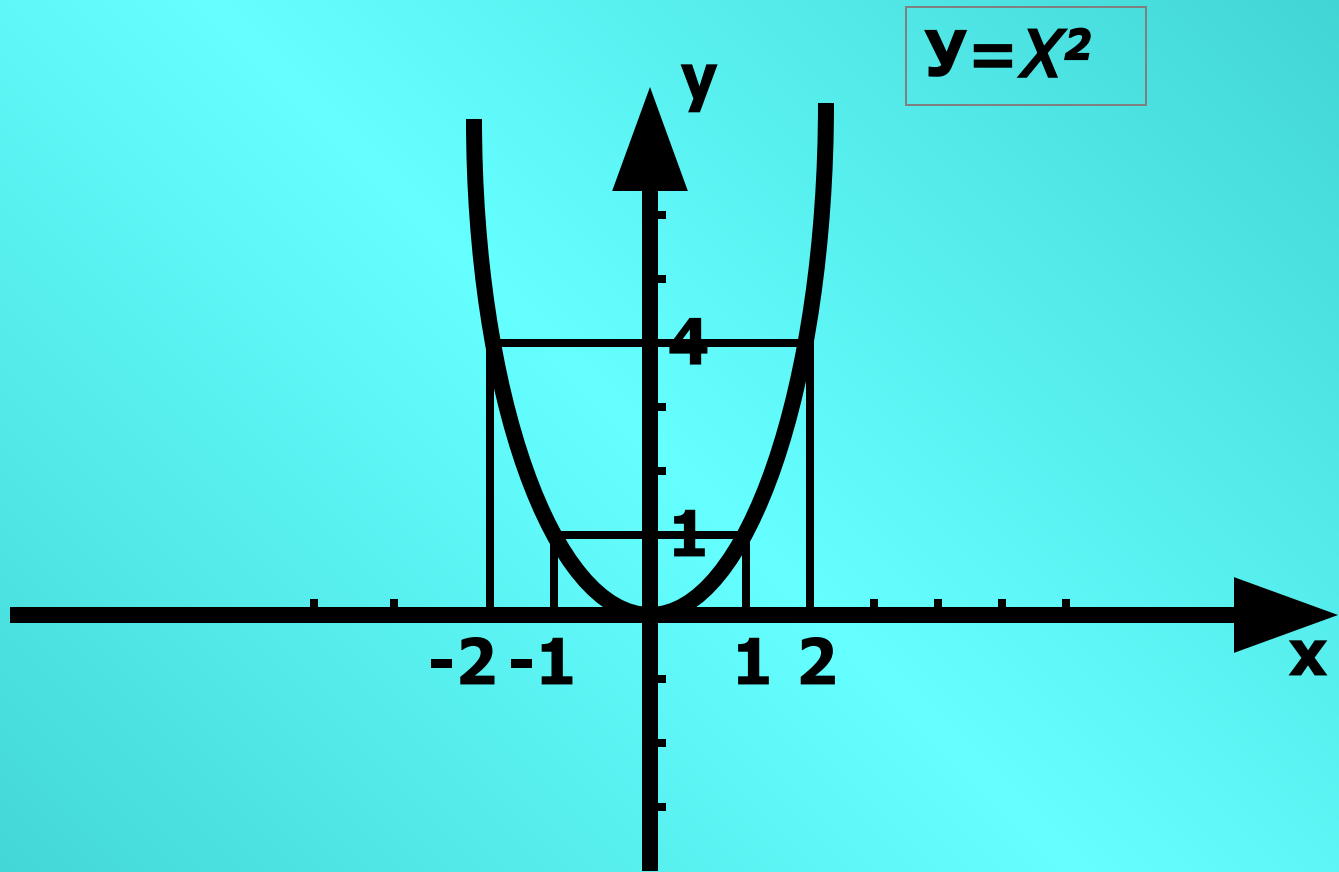
$$b=1$$

$$b=2$$

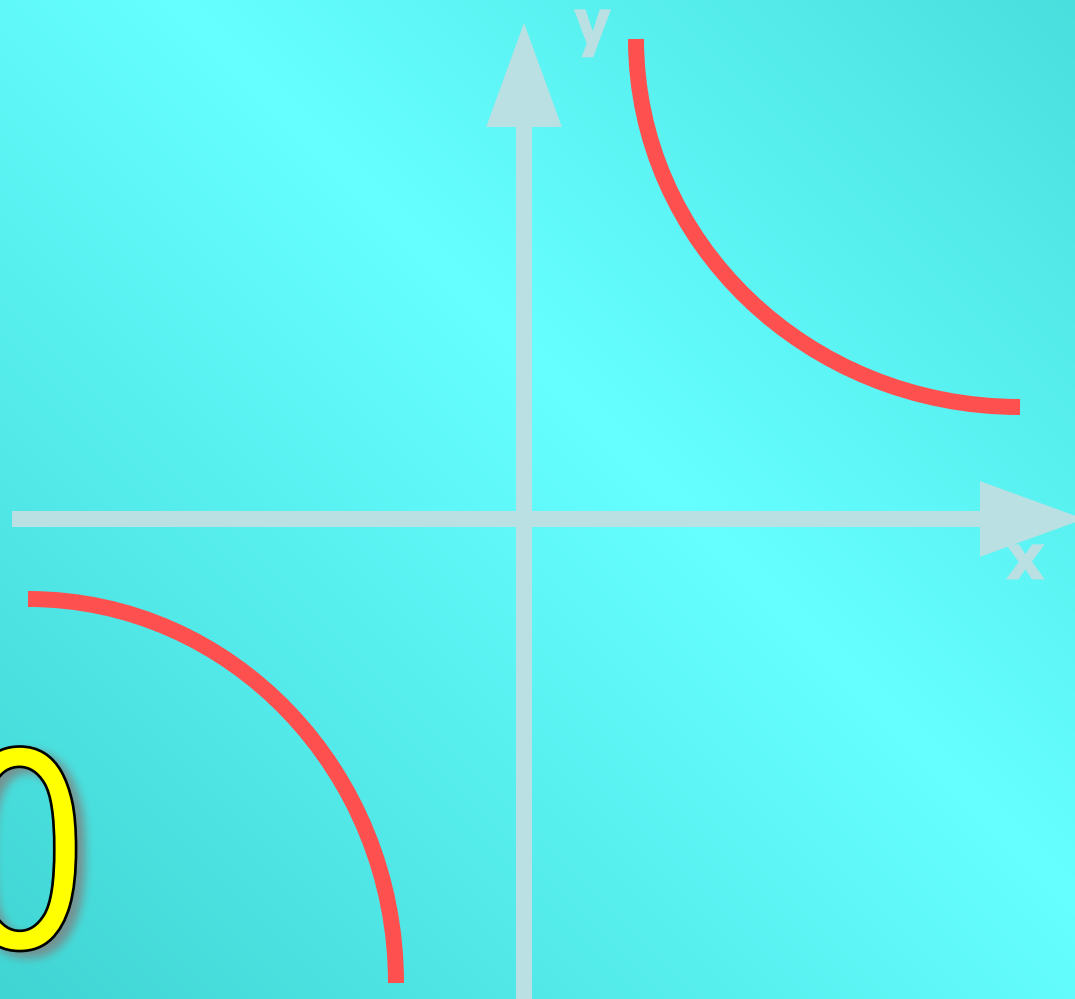


$K < 0$, то функция убывающая

$K > 0$, то функция возрастающая

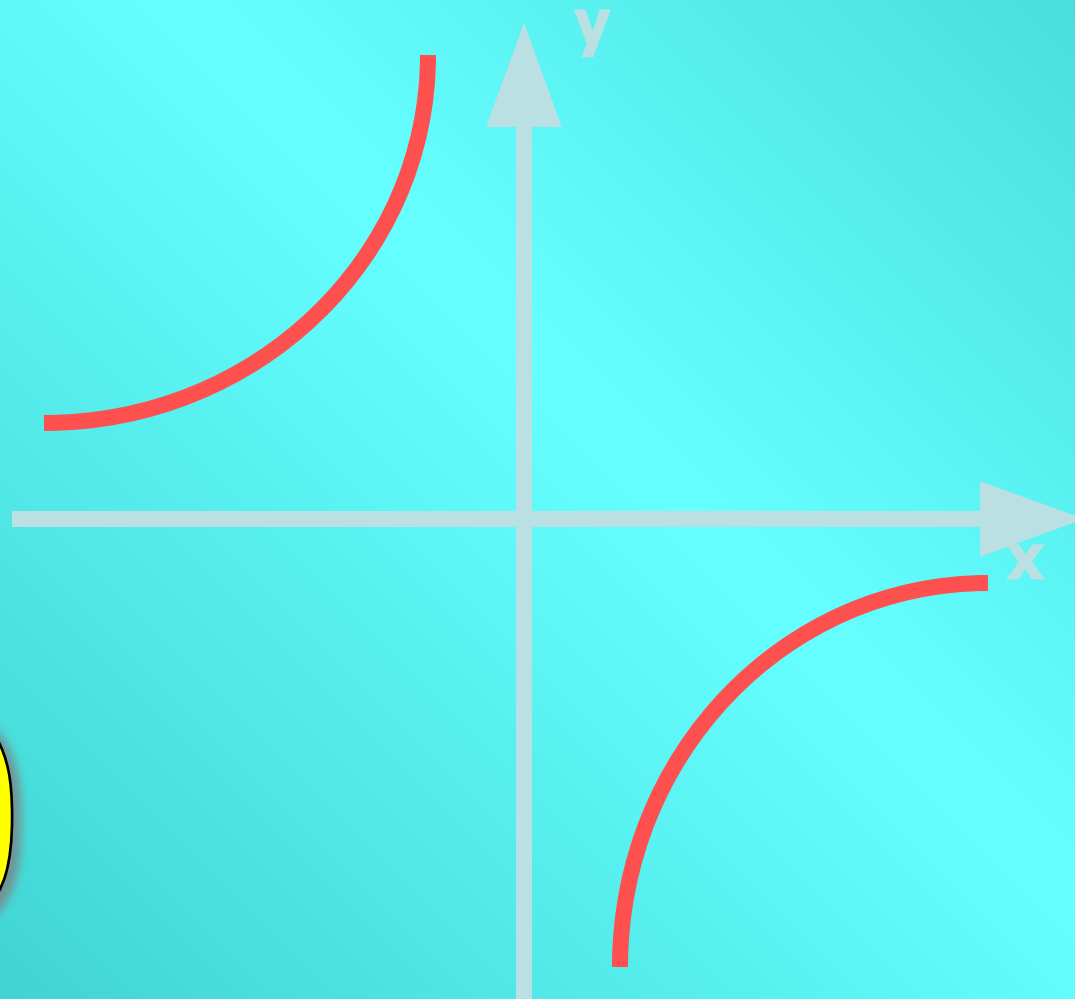


$$y = k/x$$

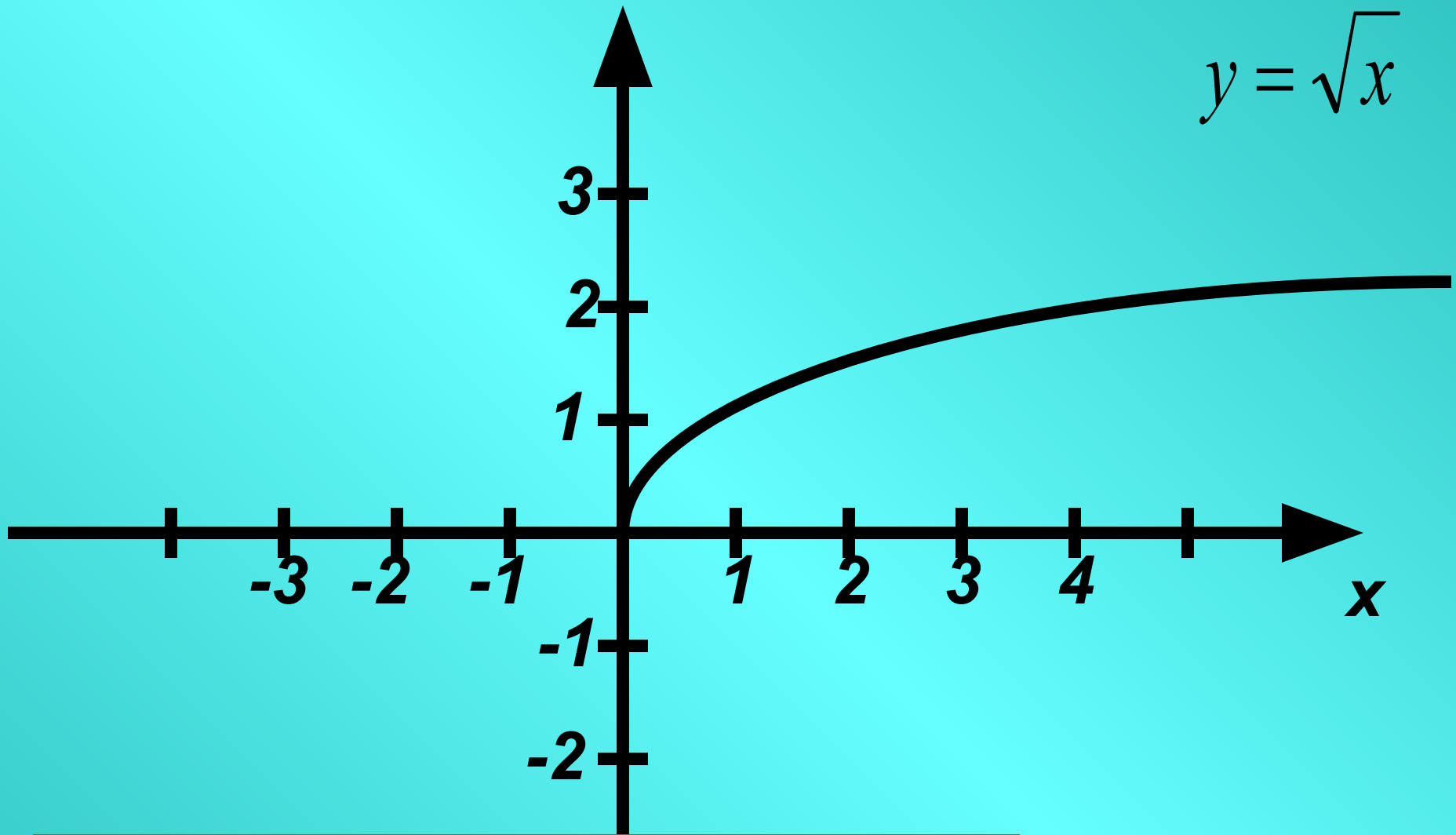


$$k > 0$$

$$y = k/x$$

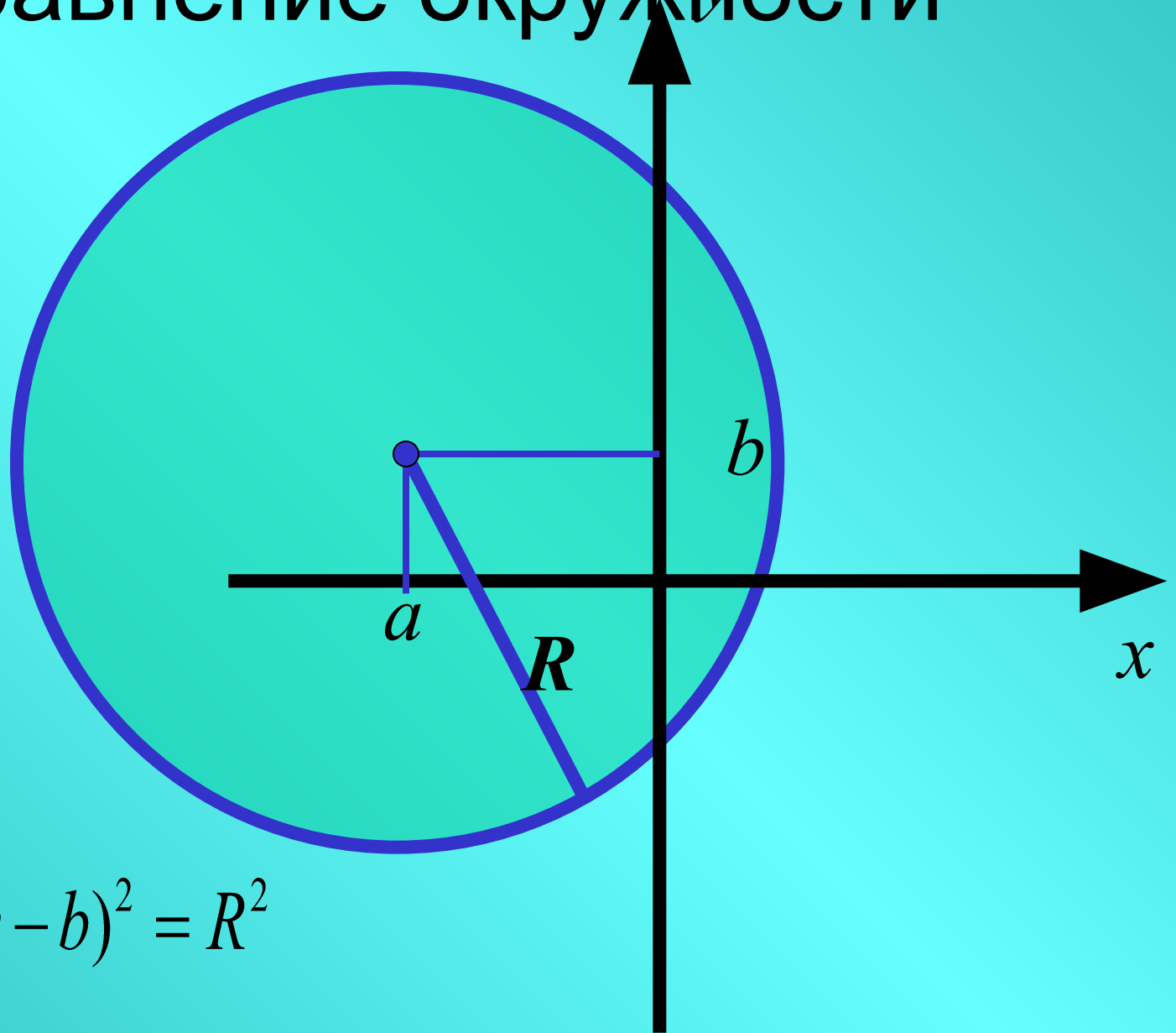


$$k < 0$$



**Область определения:
все $x \geq 0$**

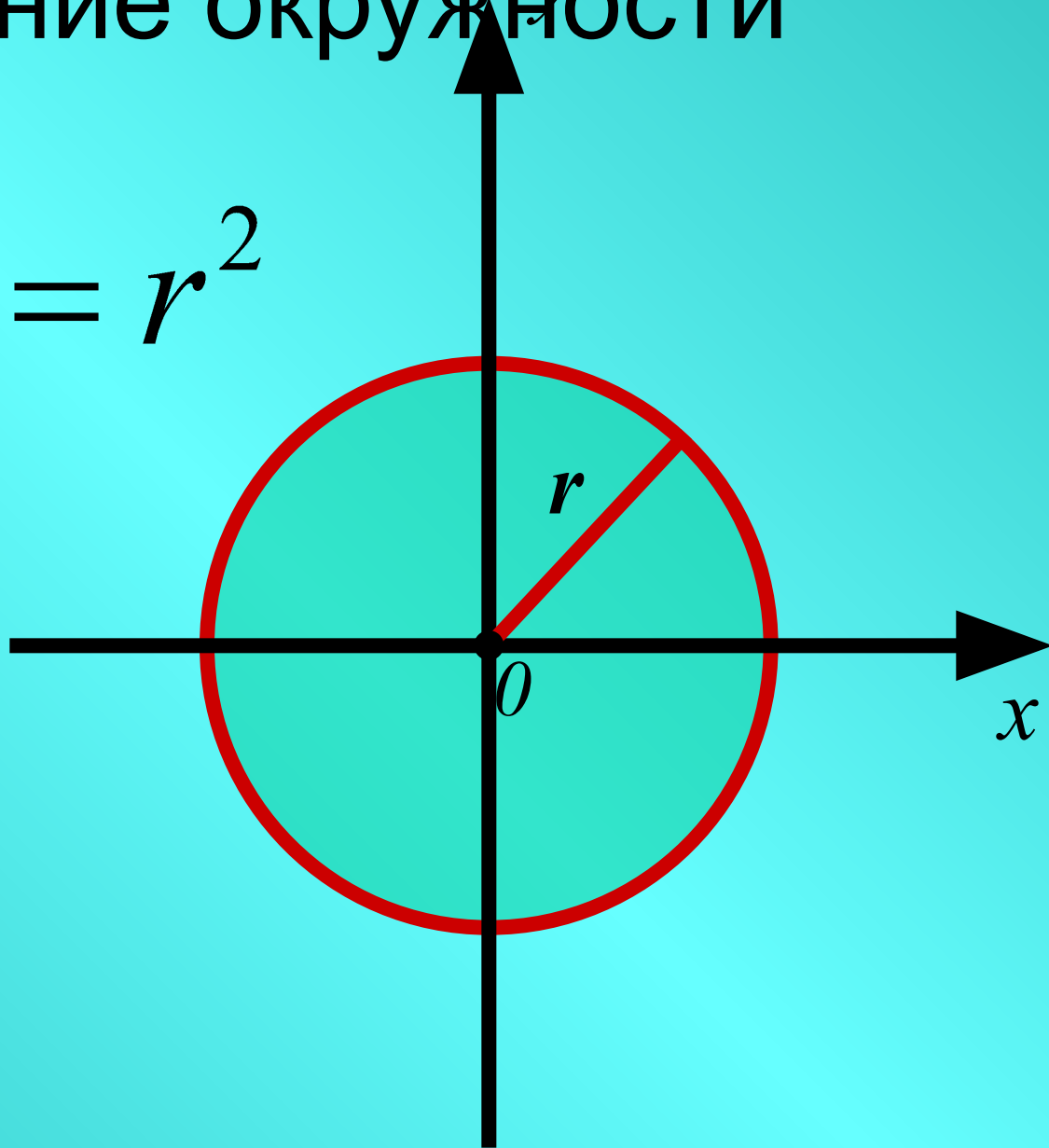
Уравнение окружности



$$(x - a)^2 + (y - b)^2 = R^2$$

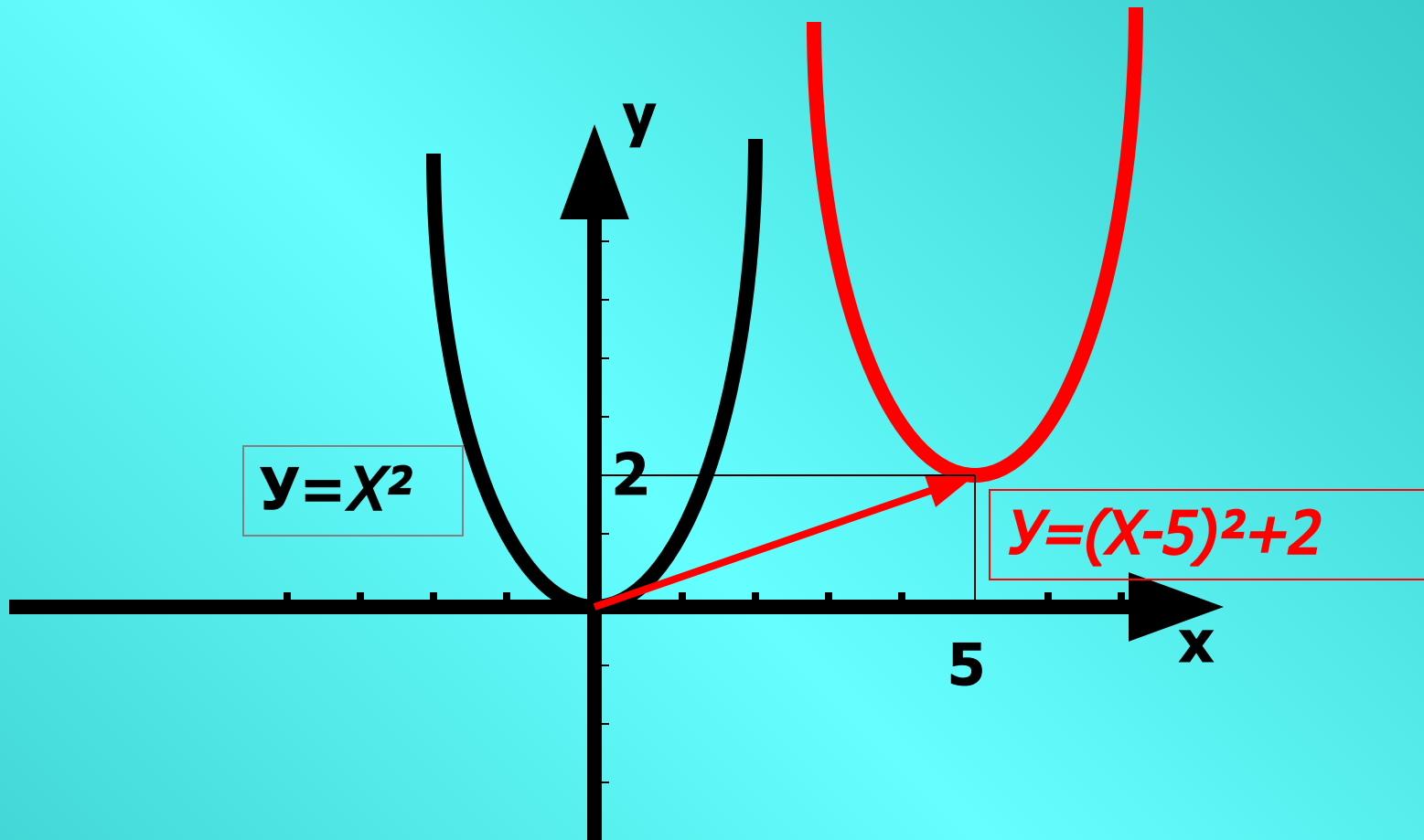
Уравнение окружности

$$x^2 + y^2 = r^2$$

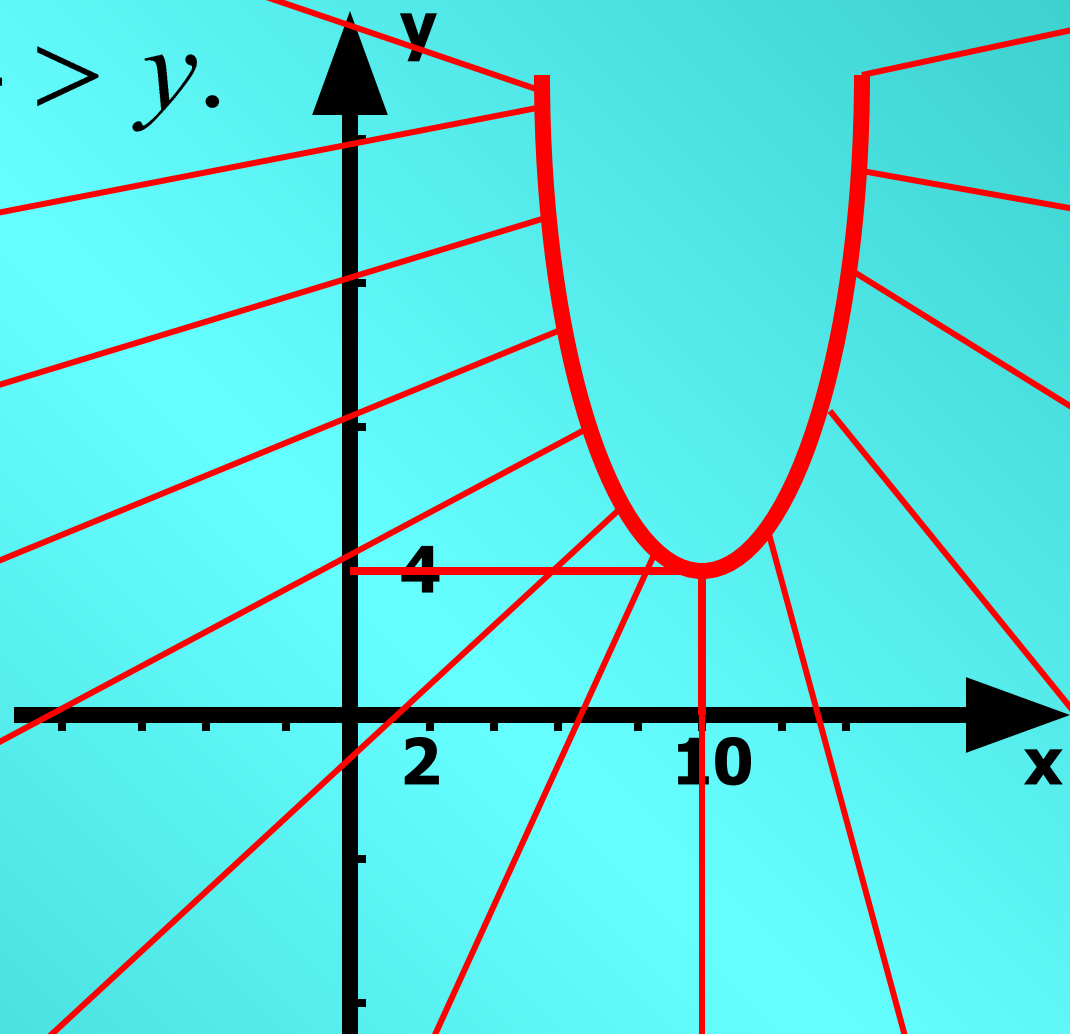


Построить график ф-и $y=x^2-10x+27$

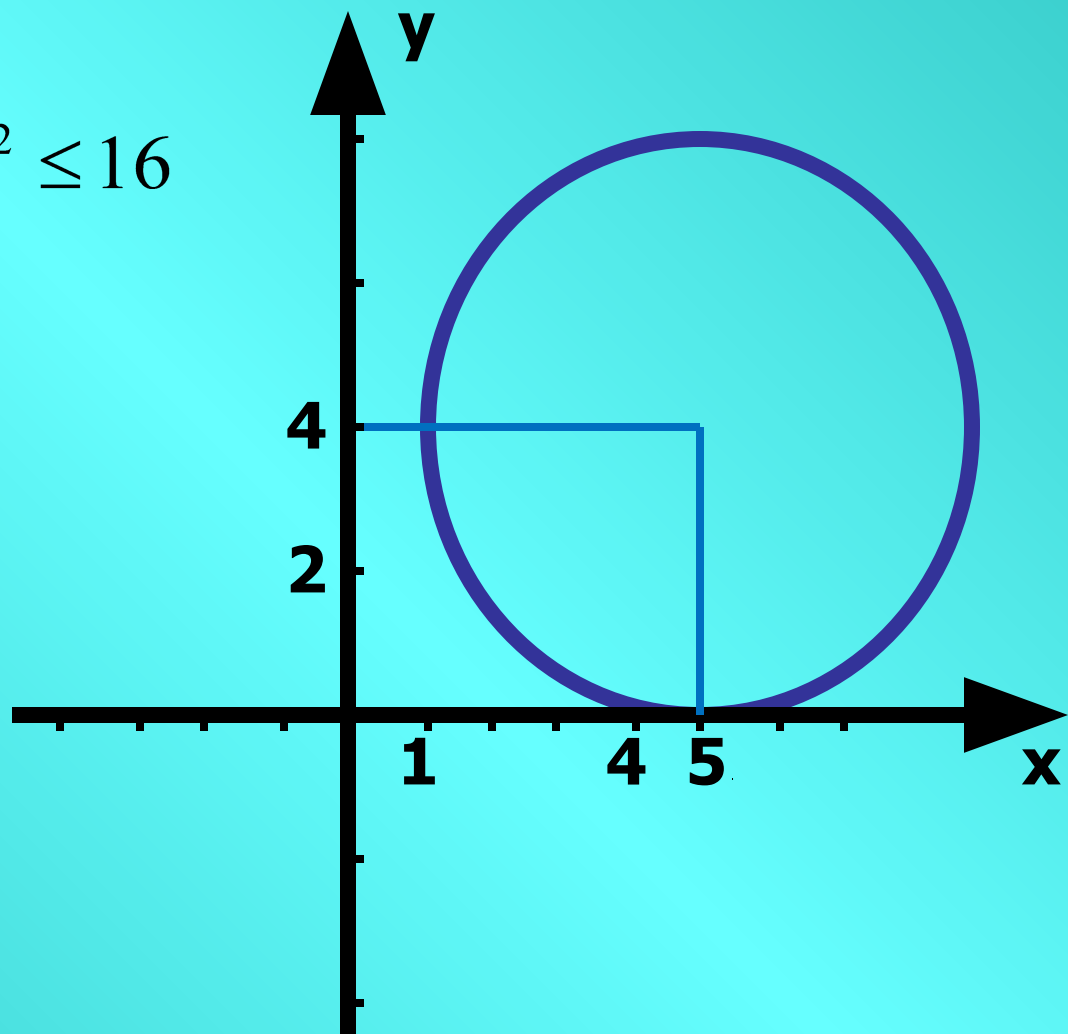
- 1) ветви параболы направлены вверх
- 2) координаты вершины параболы
 $m=-b/2a=5; n=y(5)=2.$
- 3) График функции $y=x^2-10x+27 = (x-5)^2+2$ получаем параллельным переносом графика функции $y=x^2$ на вектор с координатами $\{5;2\}$



$$(x - 10)^2 + 4 > y.$$

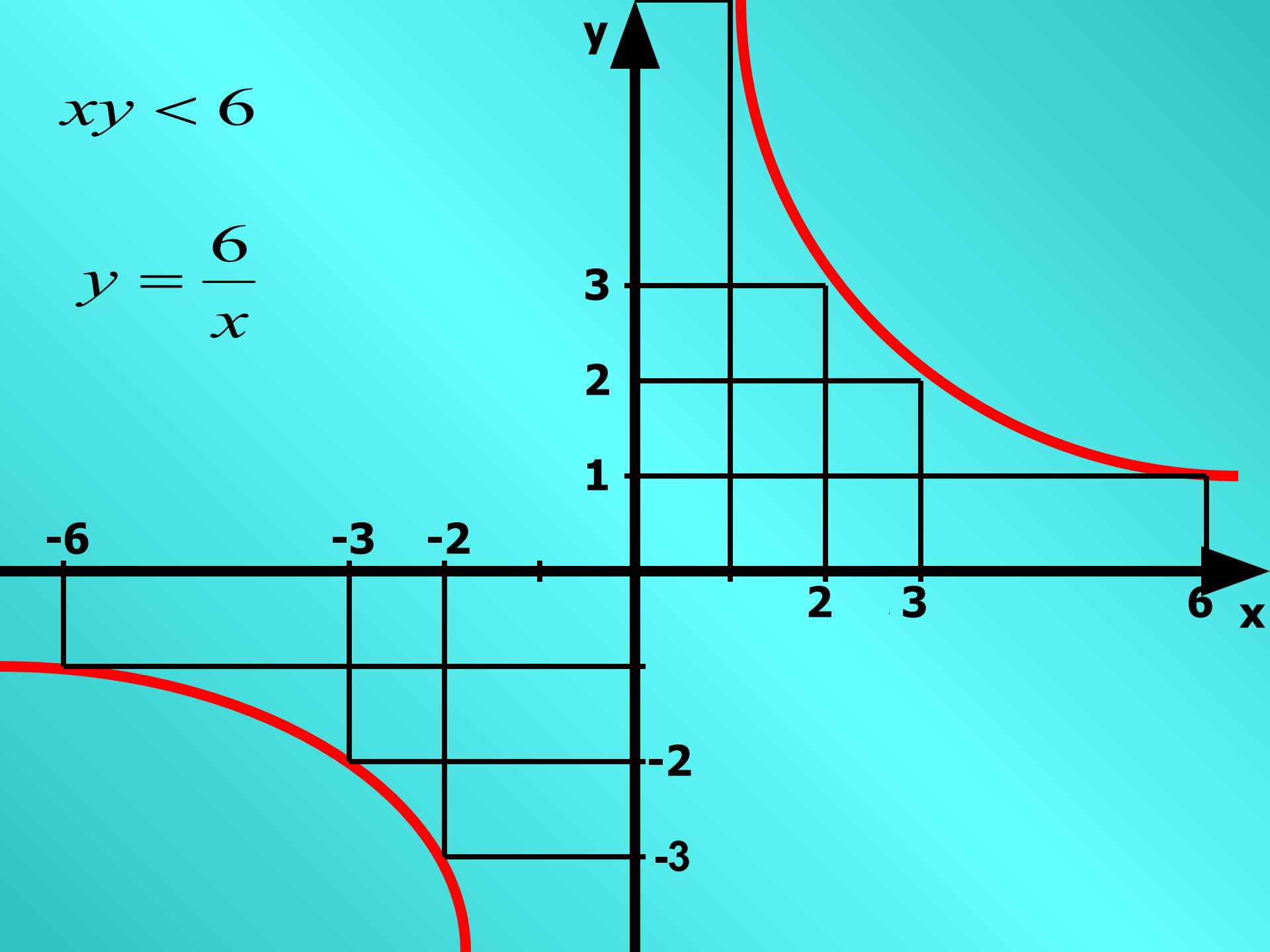


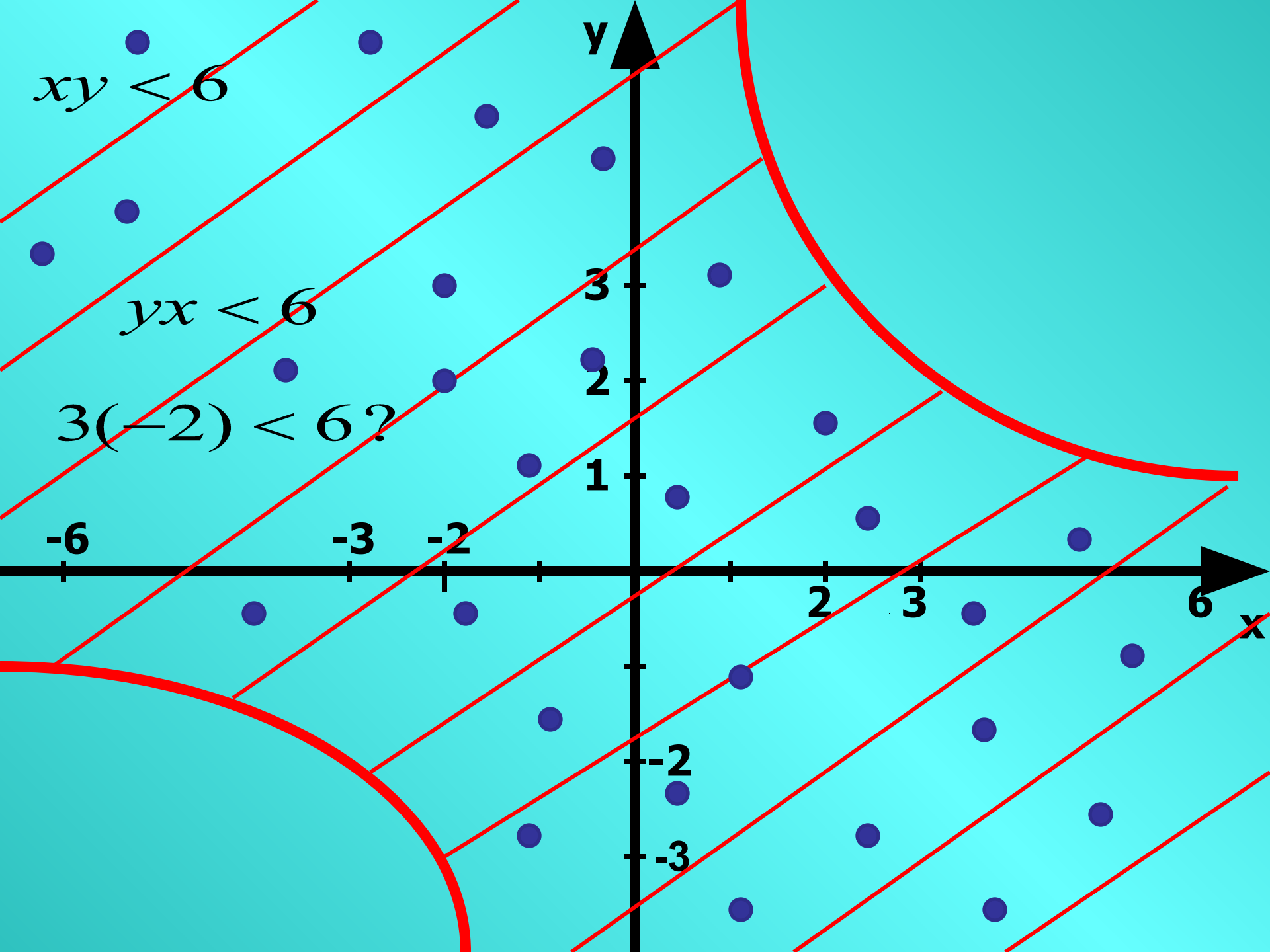
$$(x - 5)^2 + (y - 4)^2 \leq 16$$

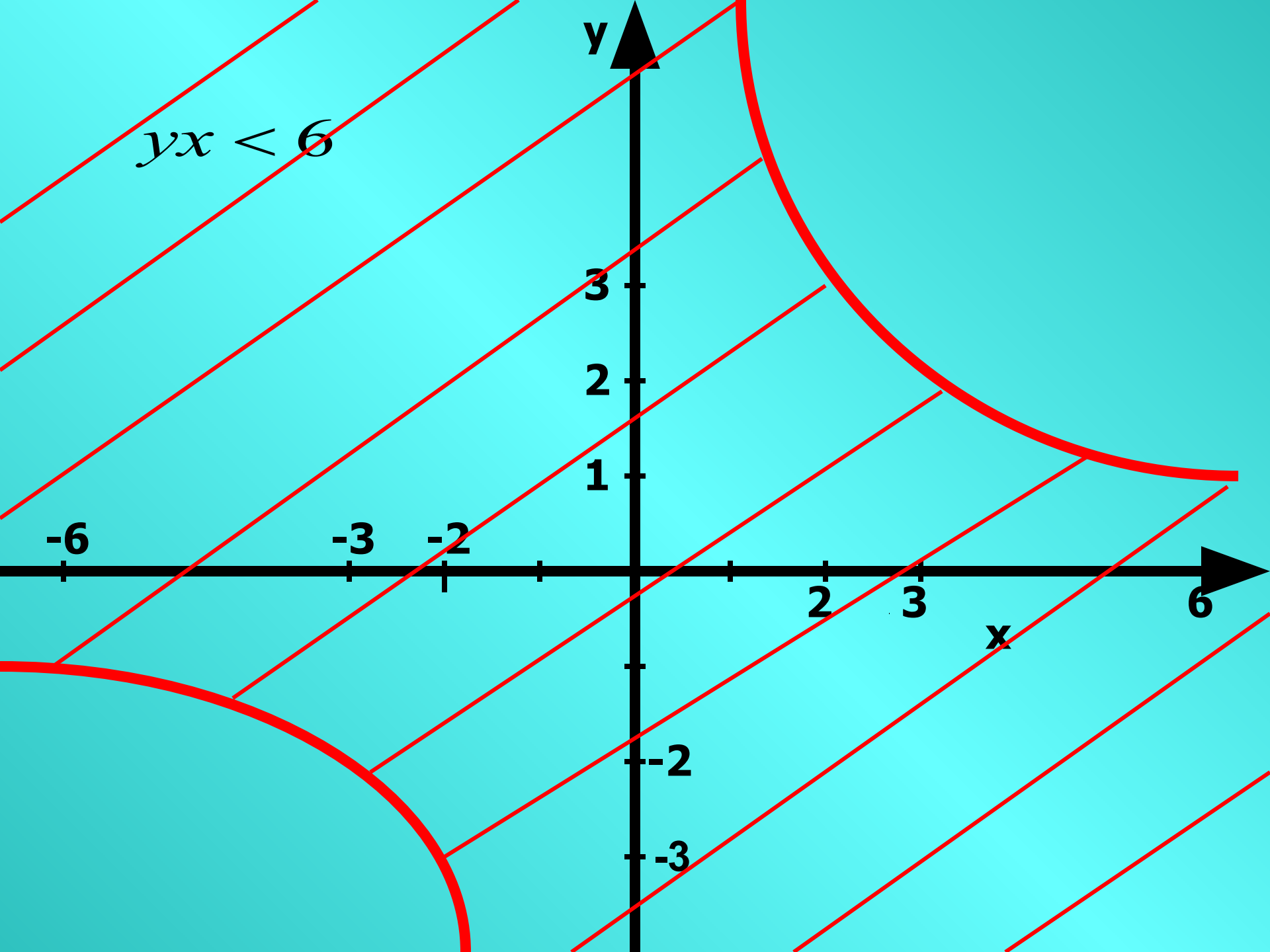


$$xy < 6$$

$$y = \frac{6}{x}$$







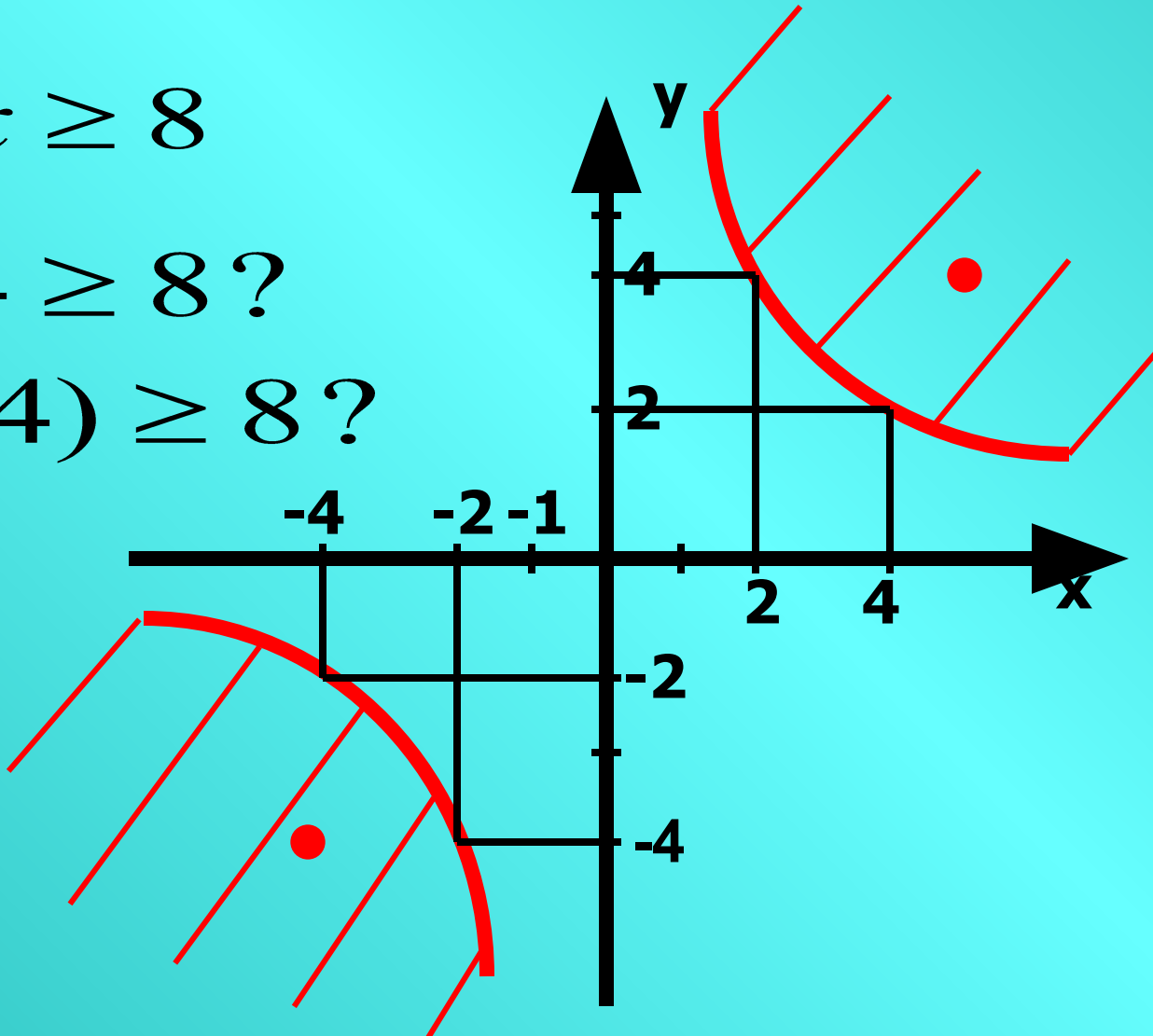
$$yx \geq 8$$

x	-2	-4
y	-4	-2

$$yx \geq 8$$

$$5 * 4 \geq 8 ?$$

$$-4(-4) \geq 8 ?$$

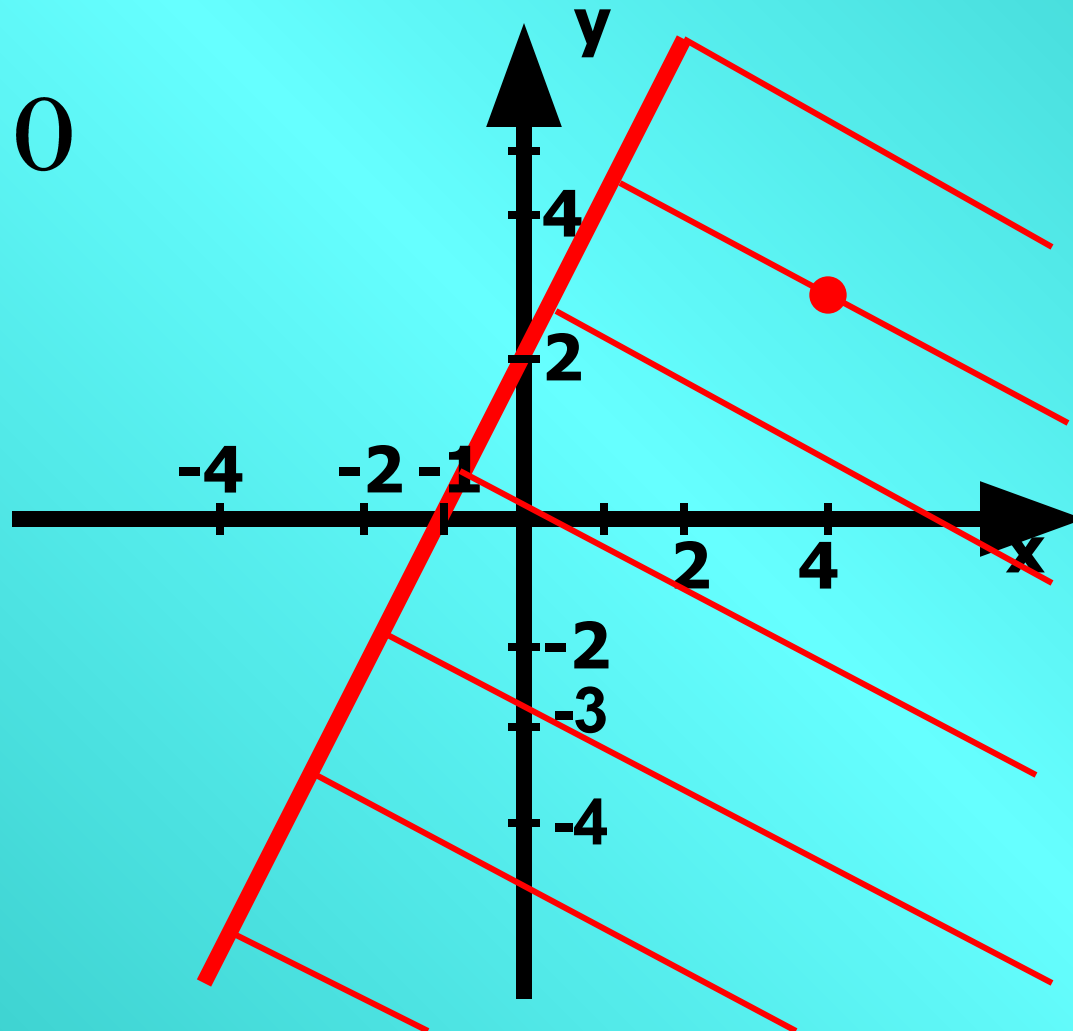


$$y \leq 2x + 2$$

x	0	-1
y	2	0

$$3 \leq 2 * 4 + 2?$$

$$3 \leq 10$$

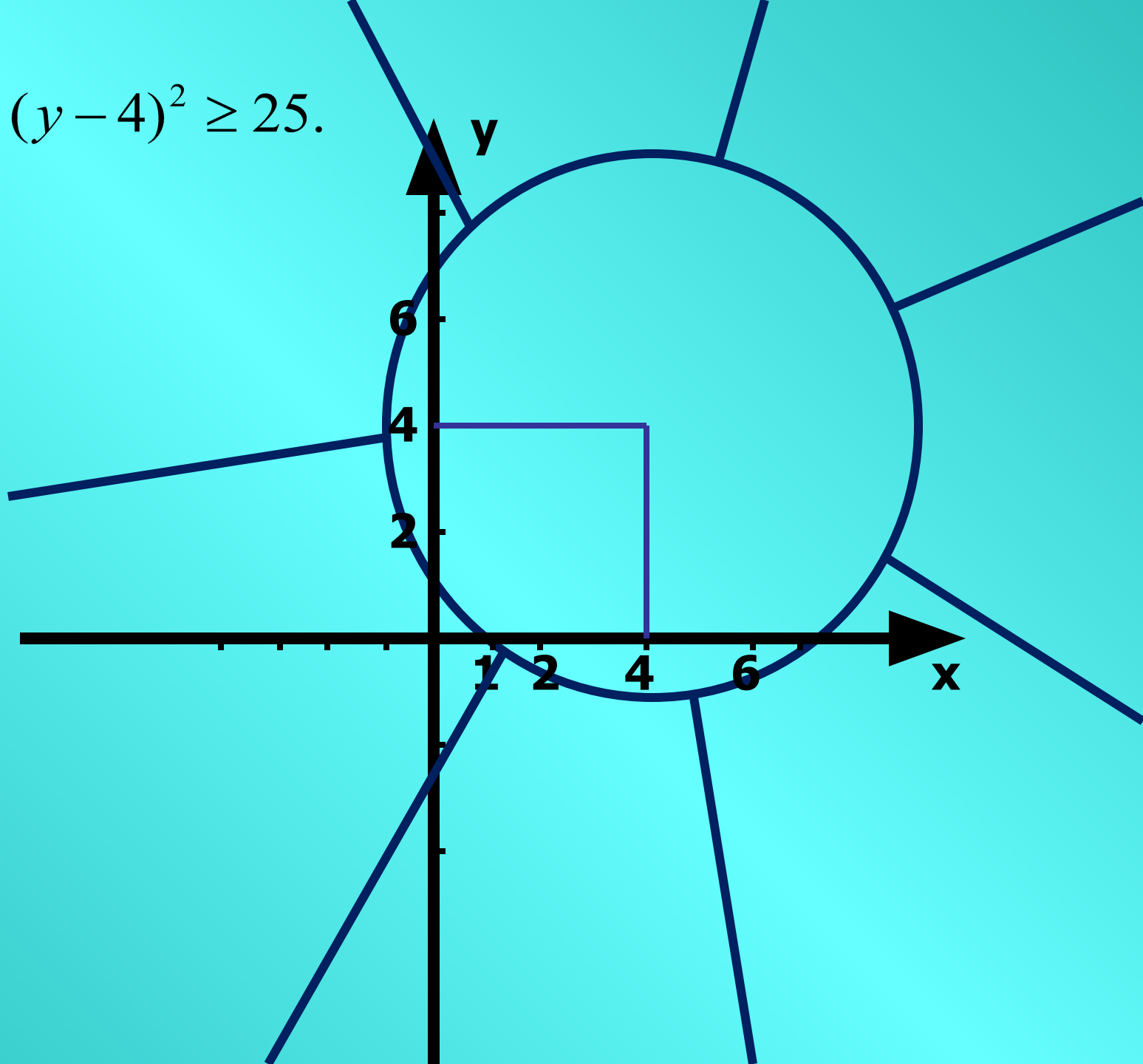


Решить неравенство

$$(x-4)^2 + (y-4)^2 \geq 16.$$

$(x-4)^2 + (y-4)^2 = 16$ -уравнение окружности

$$(x - 4)^2 + (y - 4)^2 \geq 25.$$



$$y < -x^2 + 8x - 12$$

$$m = \frac{-8}{-2} = 4$$

$$n = -16 + 32 - 12 = 4$$

$$y < -x^2 + 8x - 12$$

$$2 < -4^2 + 8 * 4 - 12?$$

$$2 < 4$$

