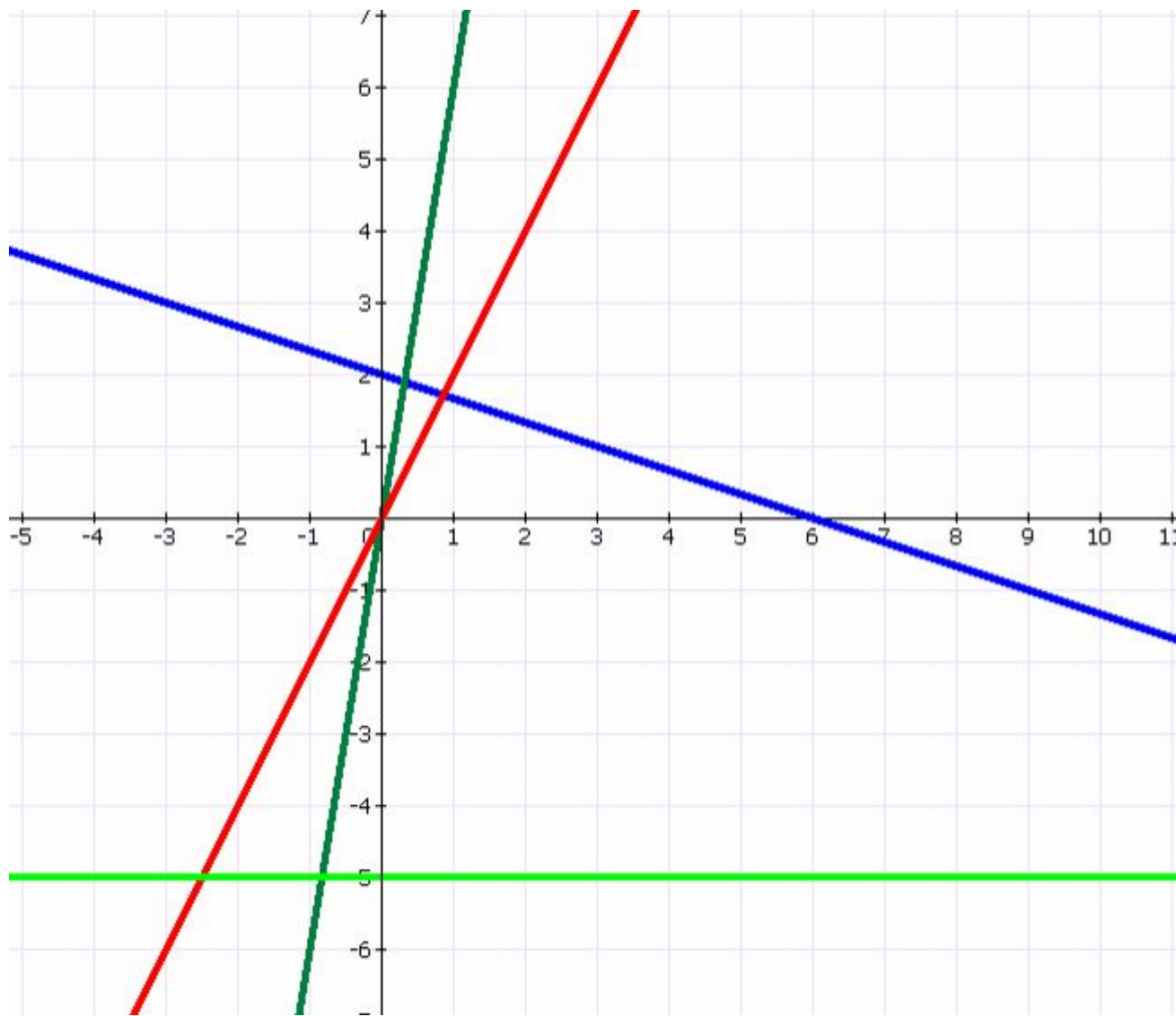


# Графики степенных функций

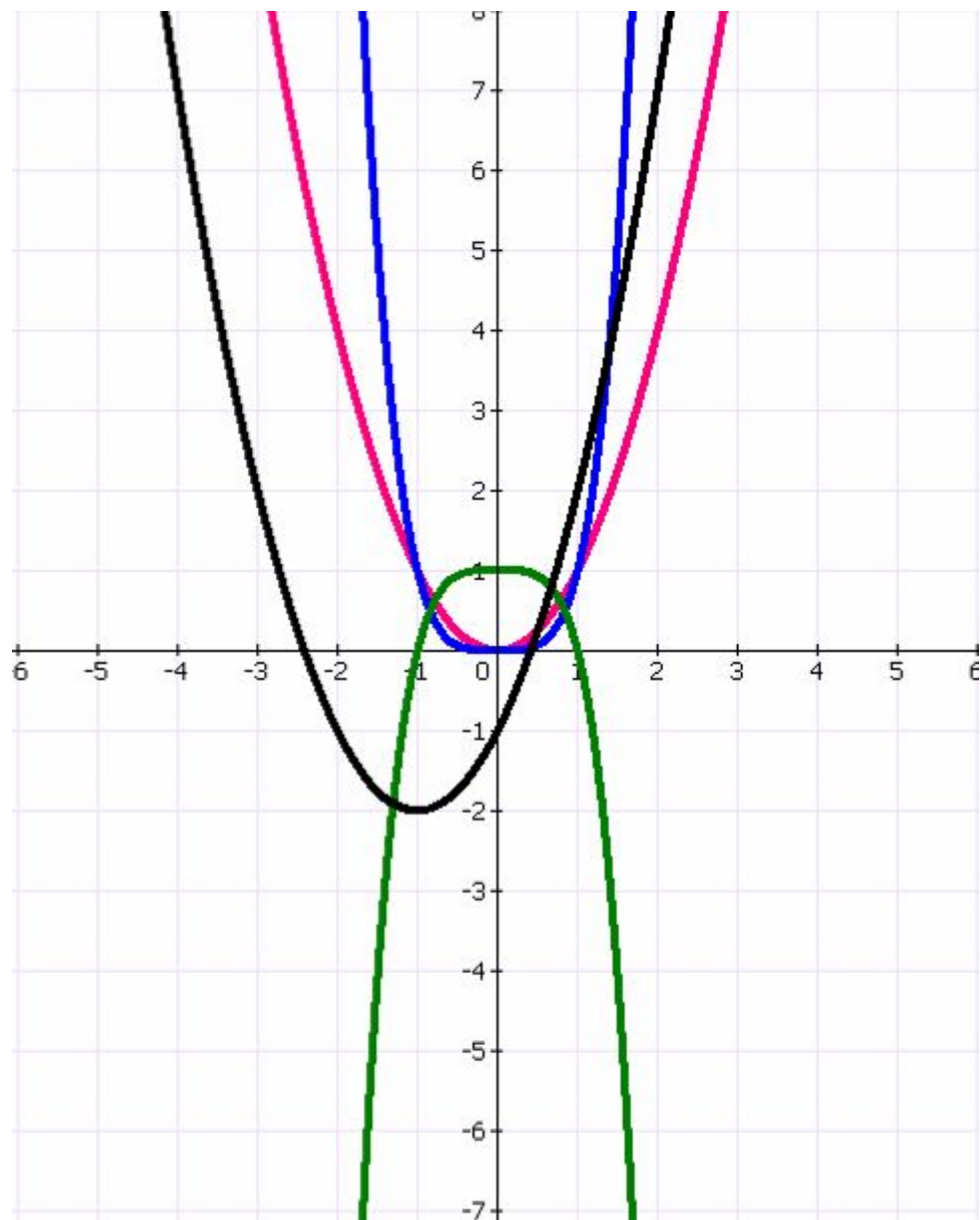


Презентация Сырцовой С.В.  
учителя Лицея 43 г. Саранска

Задайте уравнением каждую функцию:



Задайте уравнением каждую функцию:



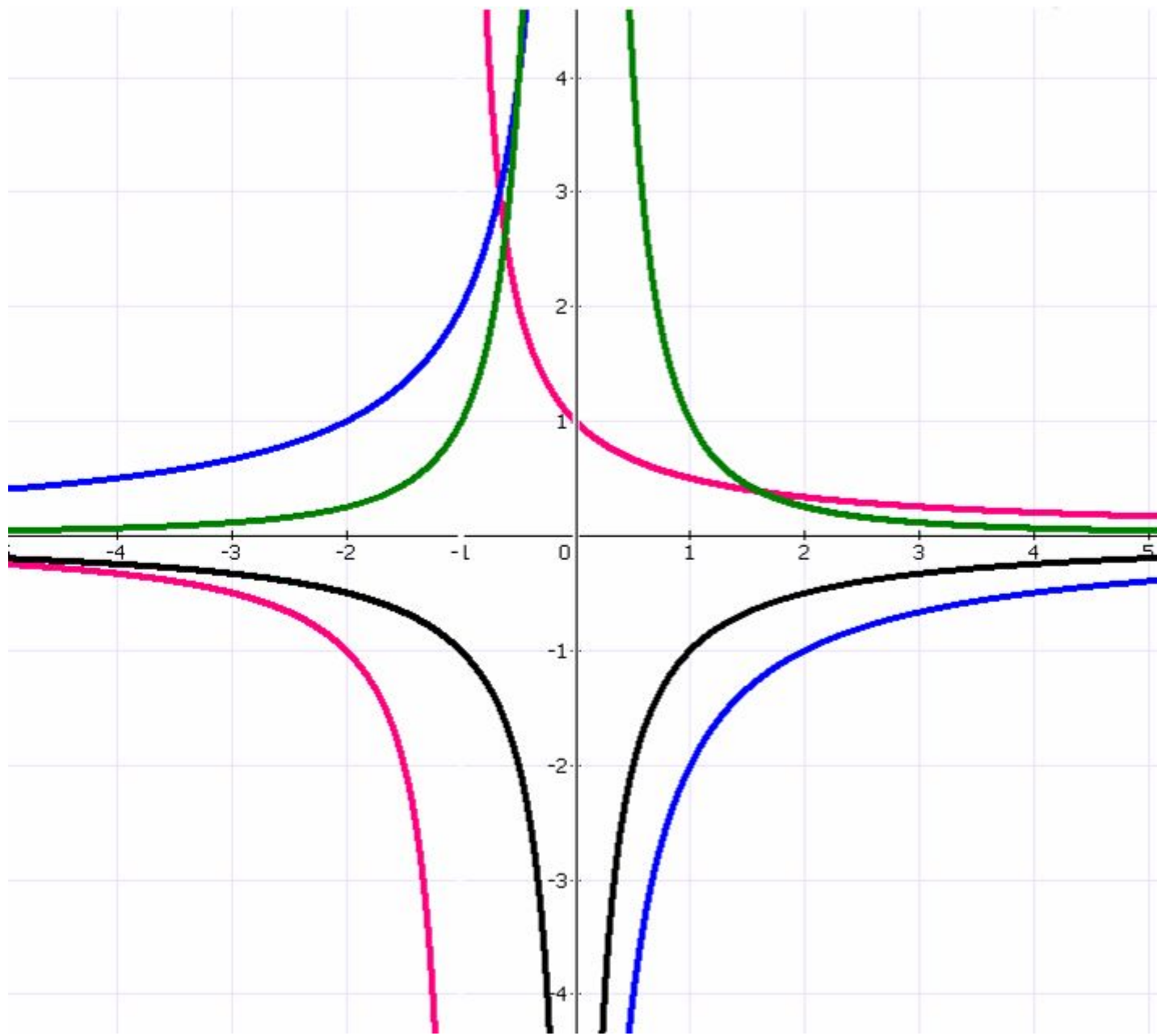
■  $y = x^2$

■  $y = x^4$

■  $y = (x + 1)^2 - 2$

■  $y = -x^4 + 1$

Установите соответствие:

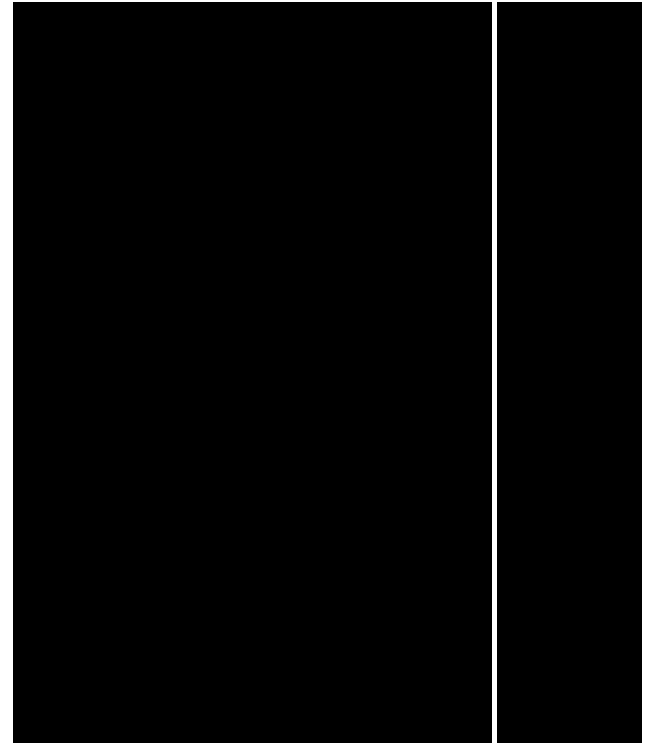
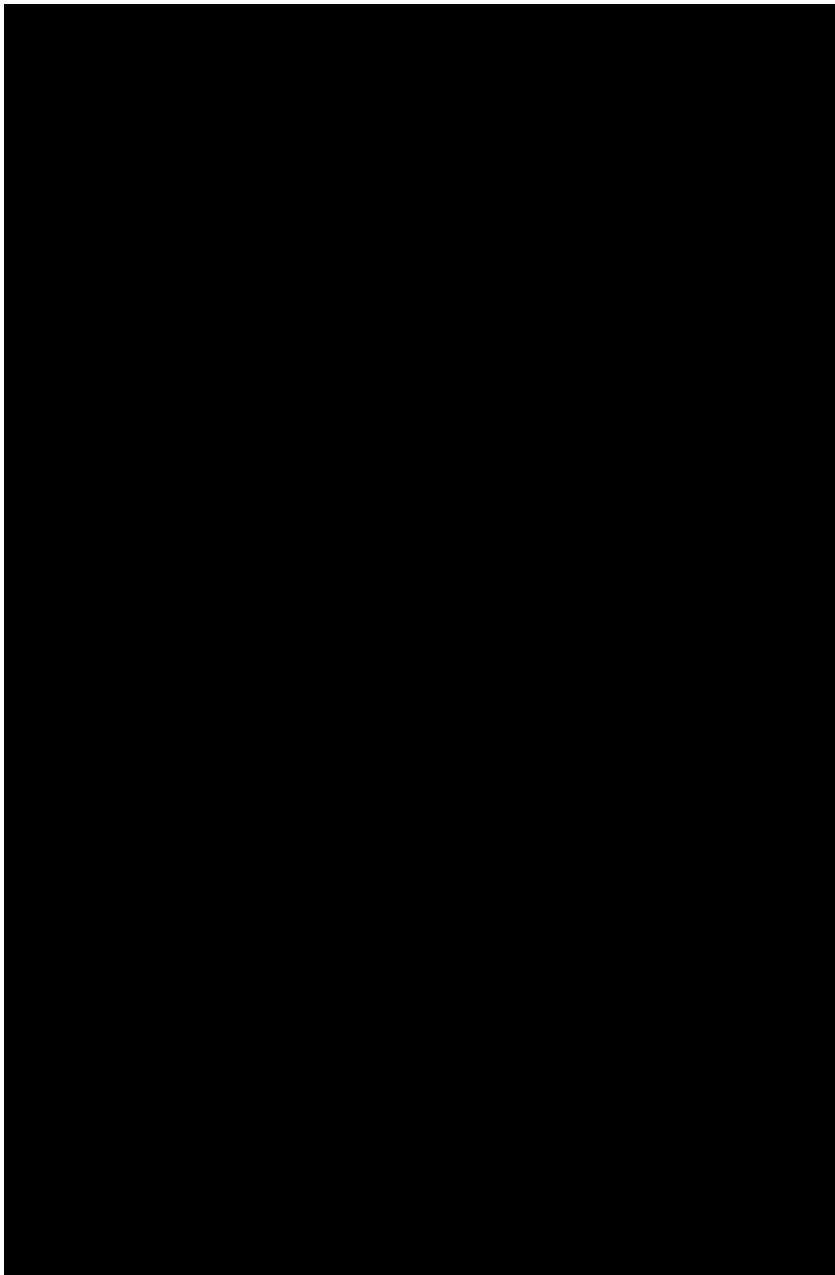


$$y = \frac{1}{x+1} \quad \blacksquare$$

$$y = -\frac{2}{x} \quad \blacksquare$$

$$y = \frac{1}{x^2} \quad \blacksquare$$

$$y = -\frac{1}{|x|} \quad \blacksquare$$



Установите соответствие:

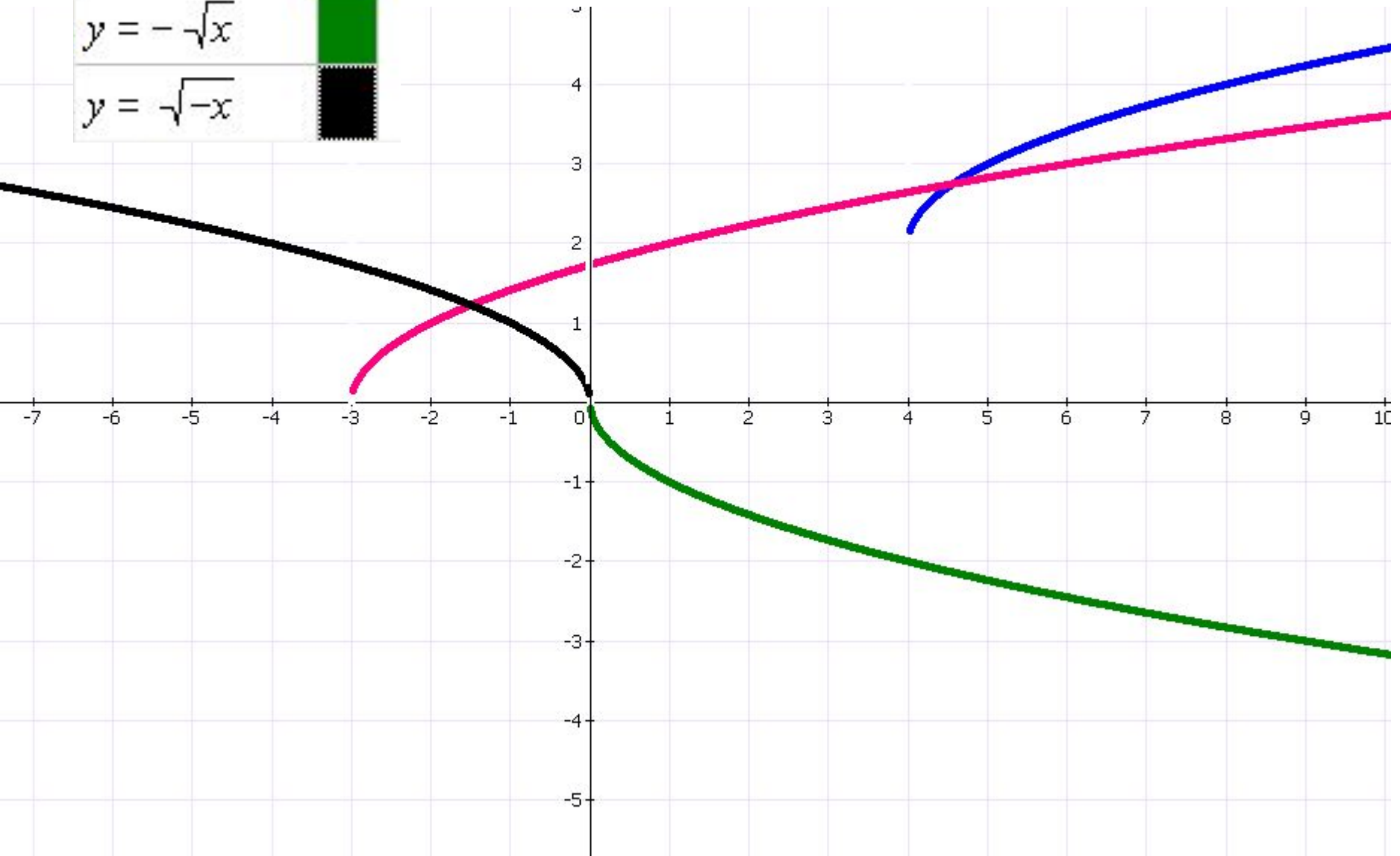
Задайте уравнением каждую функцию:

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

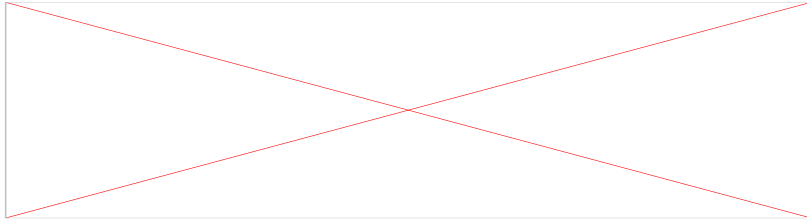
$$y = \sqrt{x-4}+2$$

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

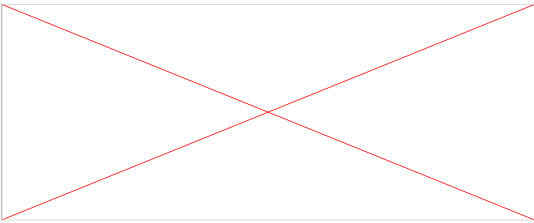
$$y = \sqrt{-x}$$



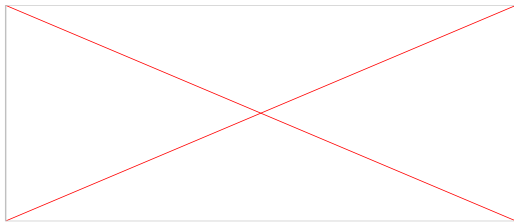
Построить графики функций:



$$y = \frac{1}{|x + 1|}$$

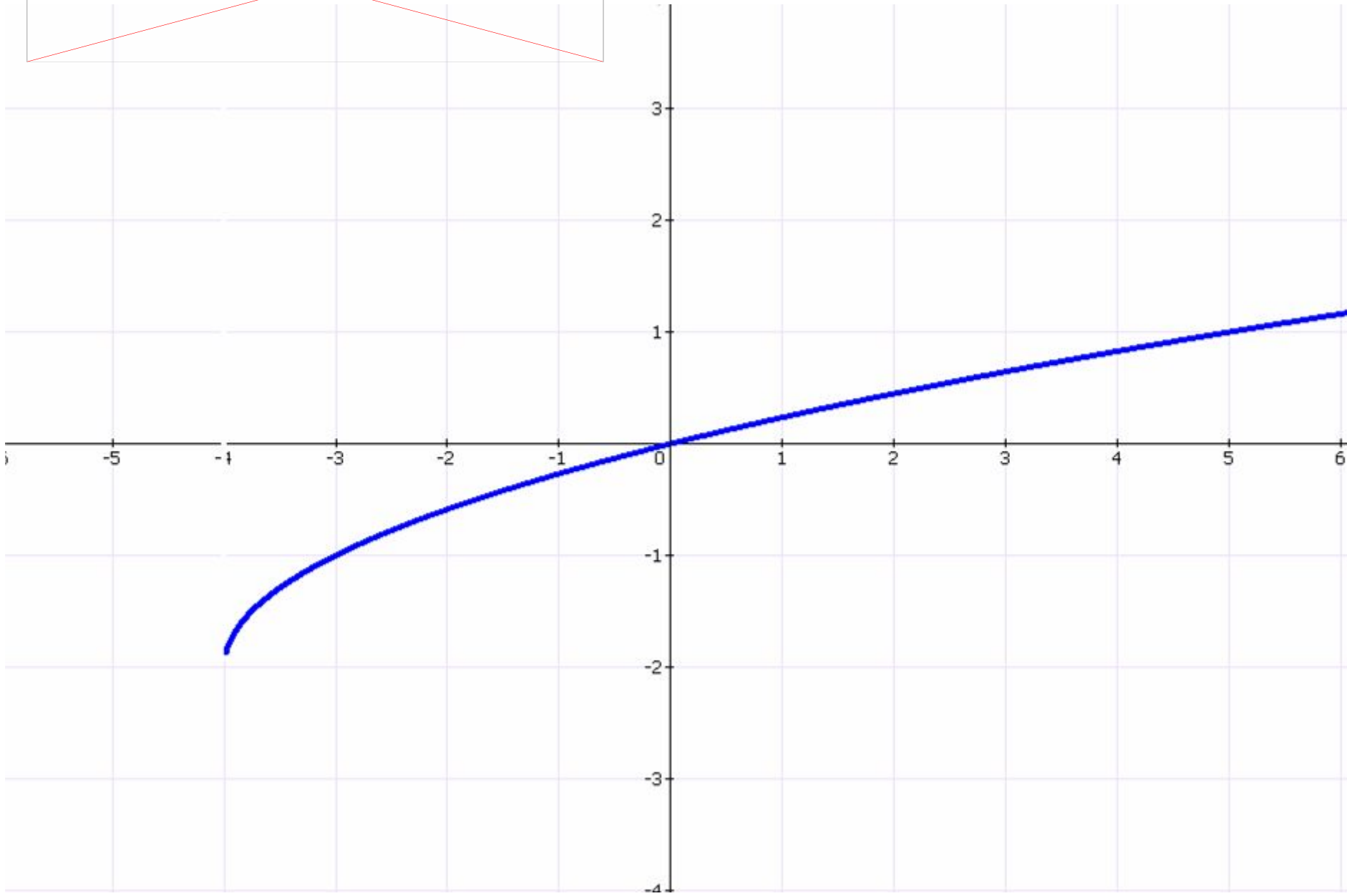
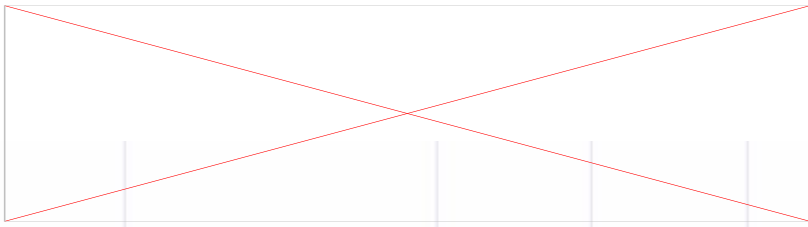


$$y = -(x - 1)^3$$

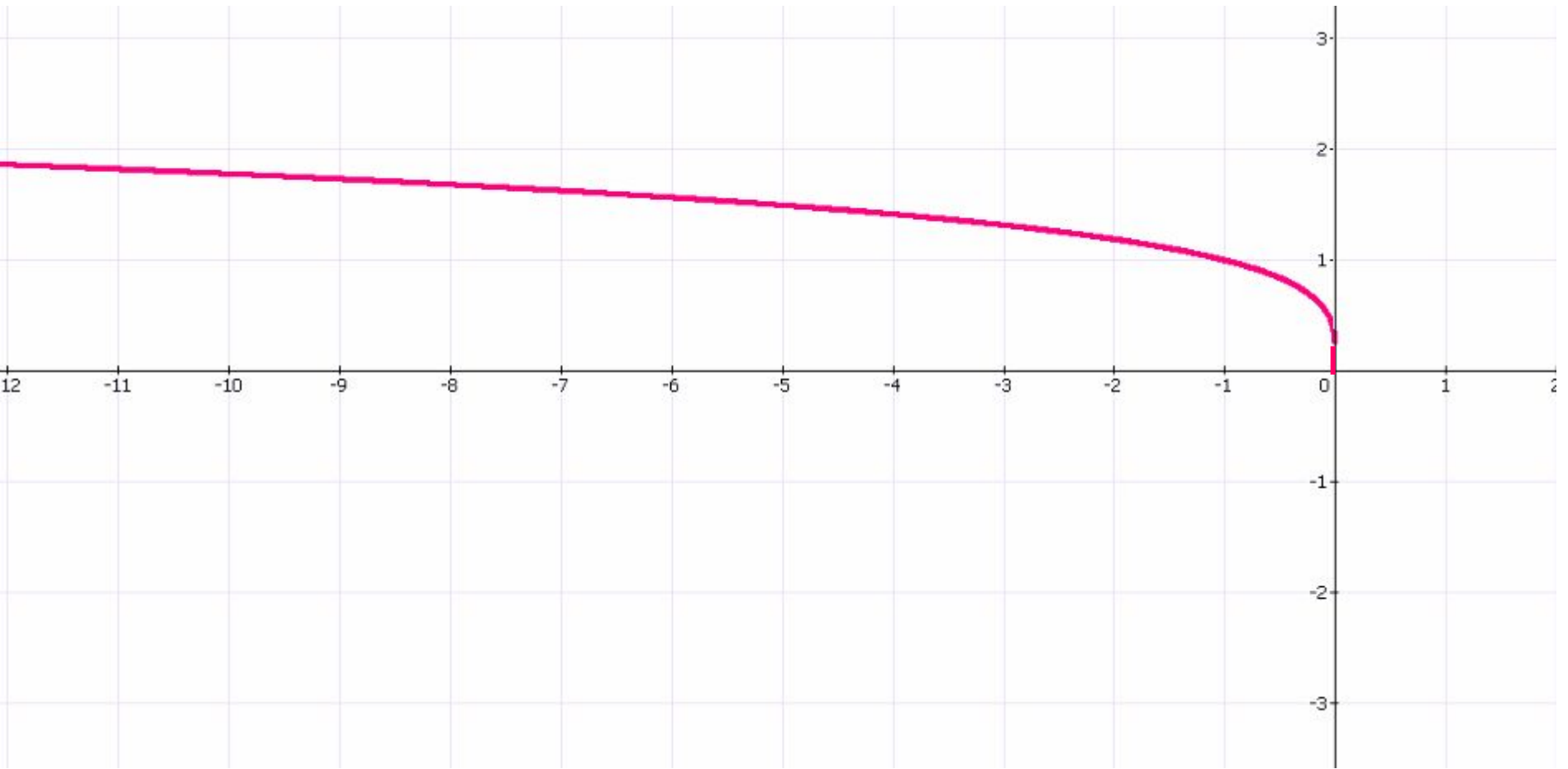
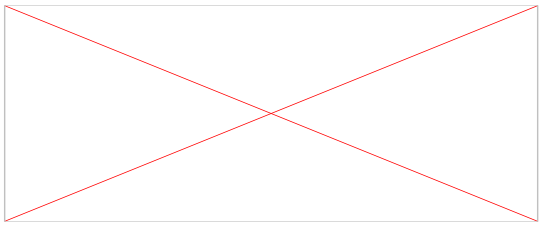


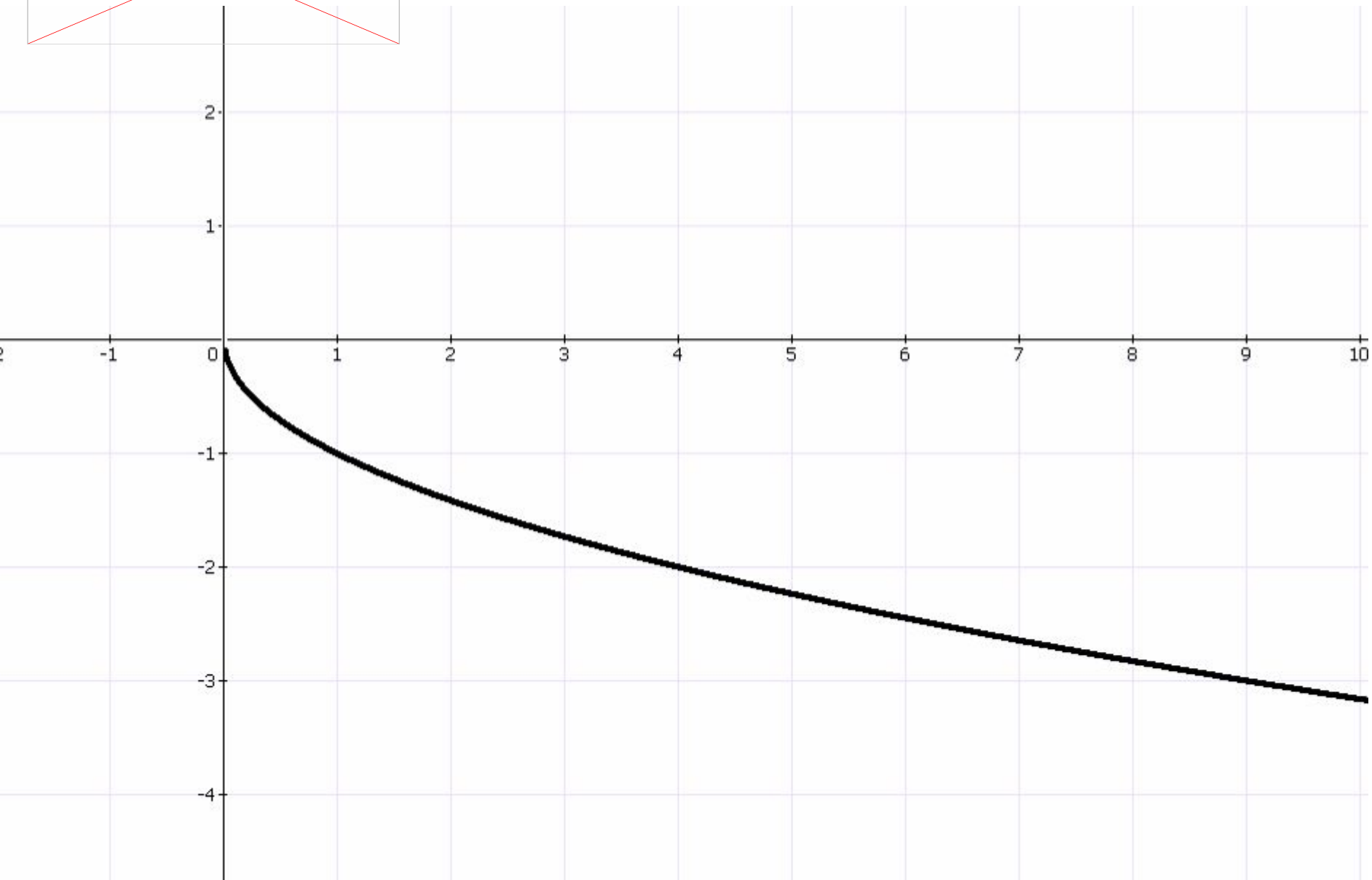
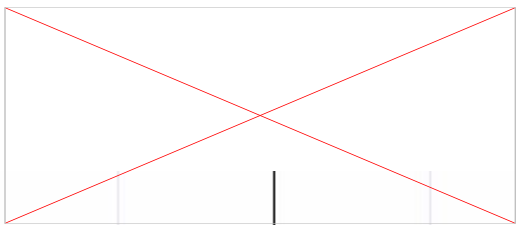
$$y = (2 - x)^3$$

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

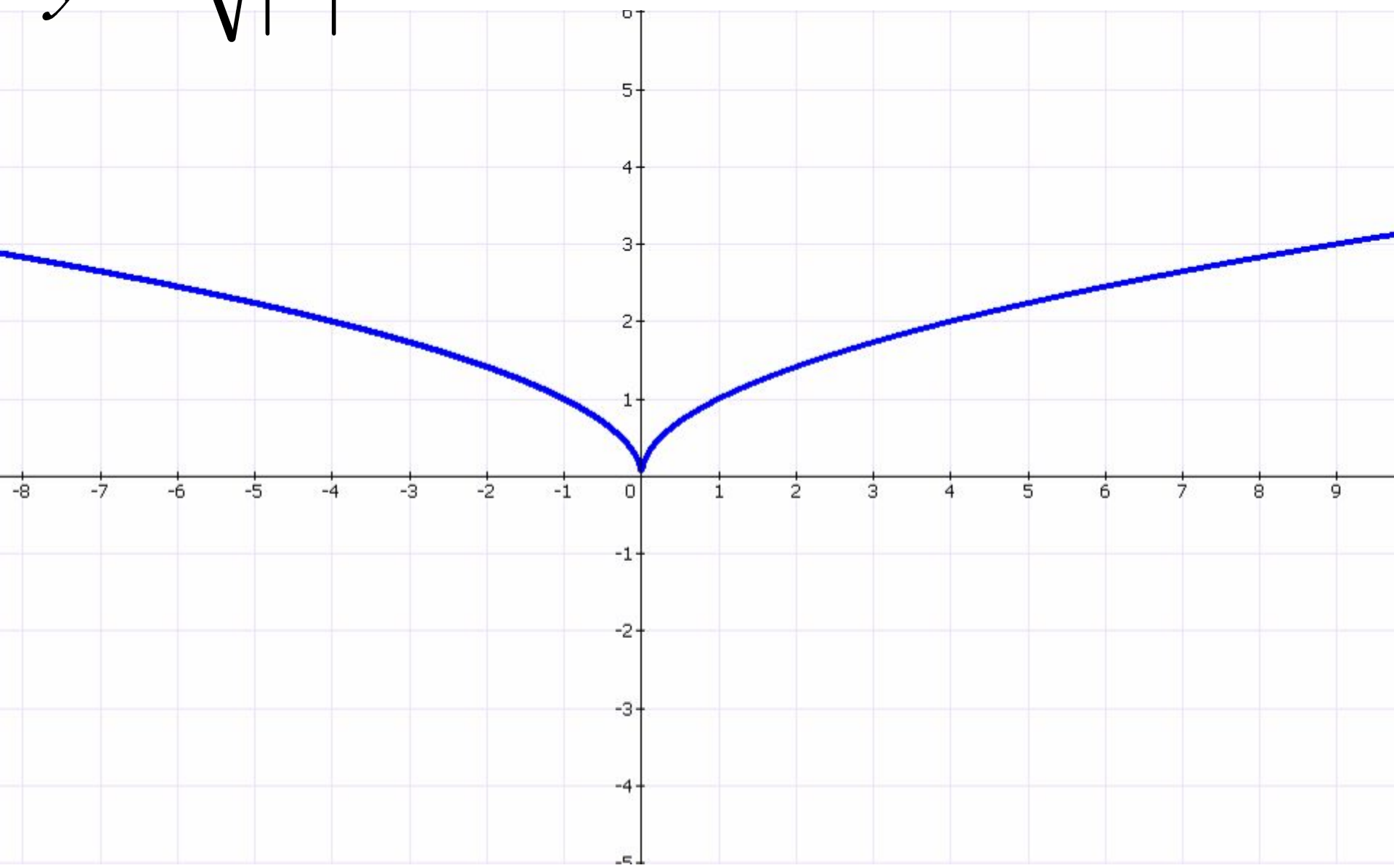




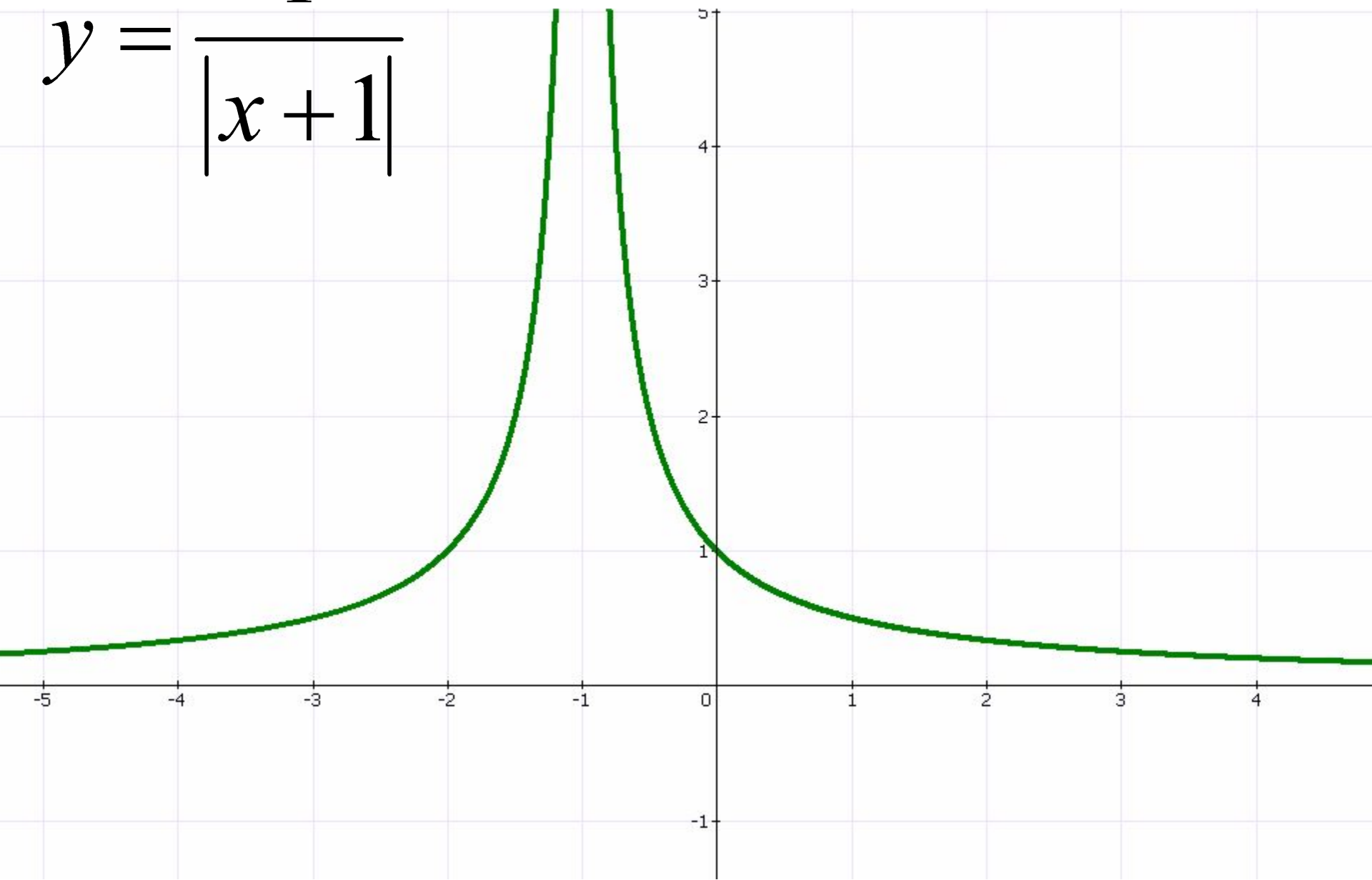




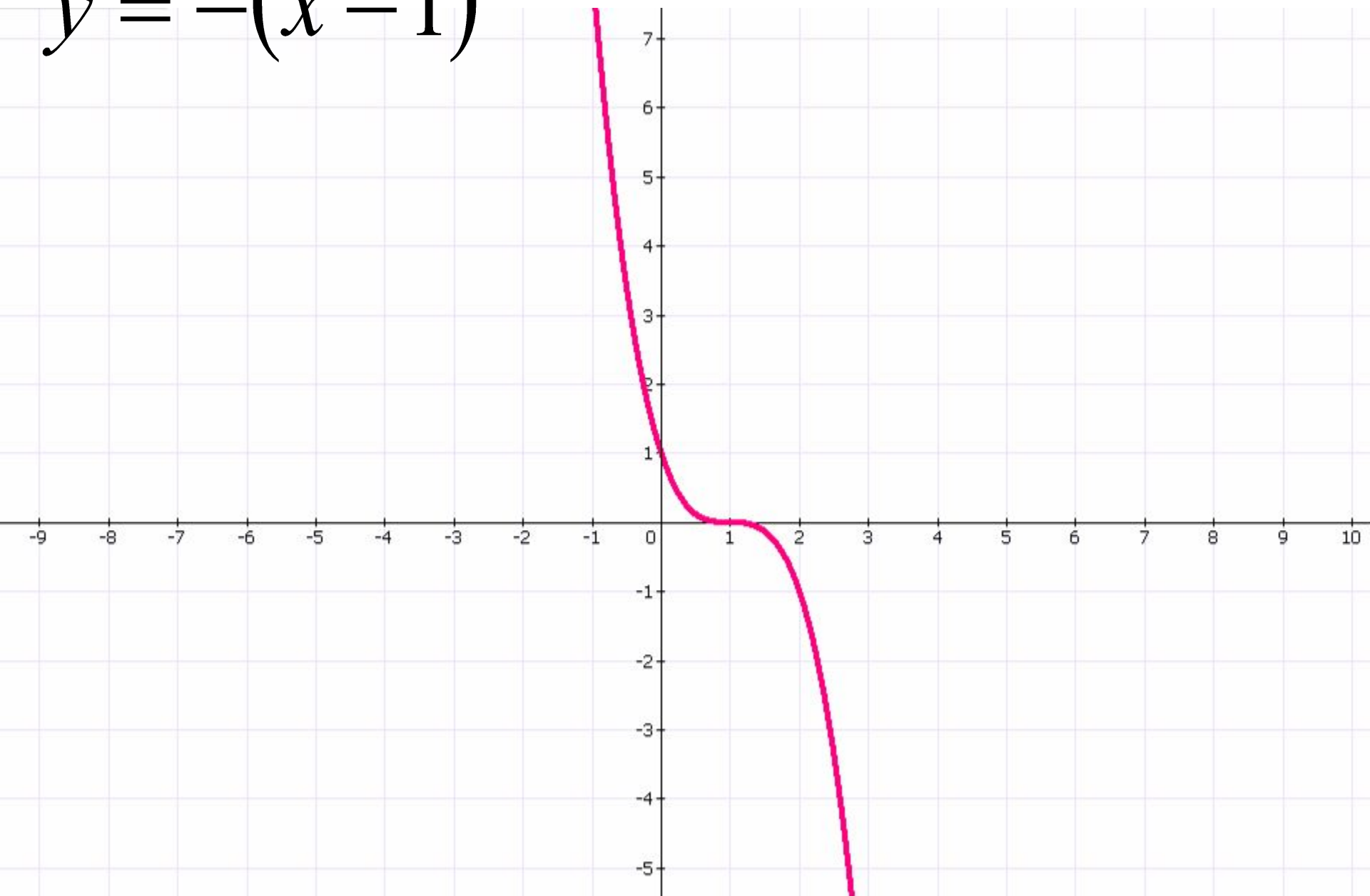
$$y = \sqrt{|x|}$$



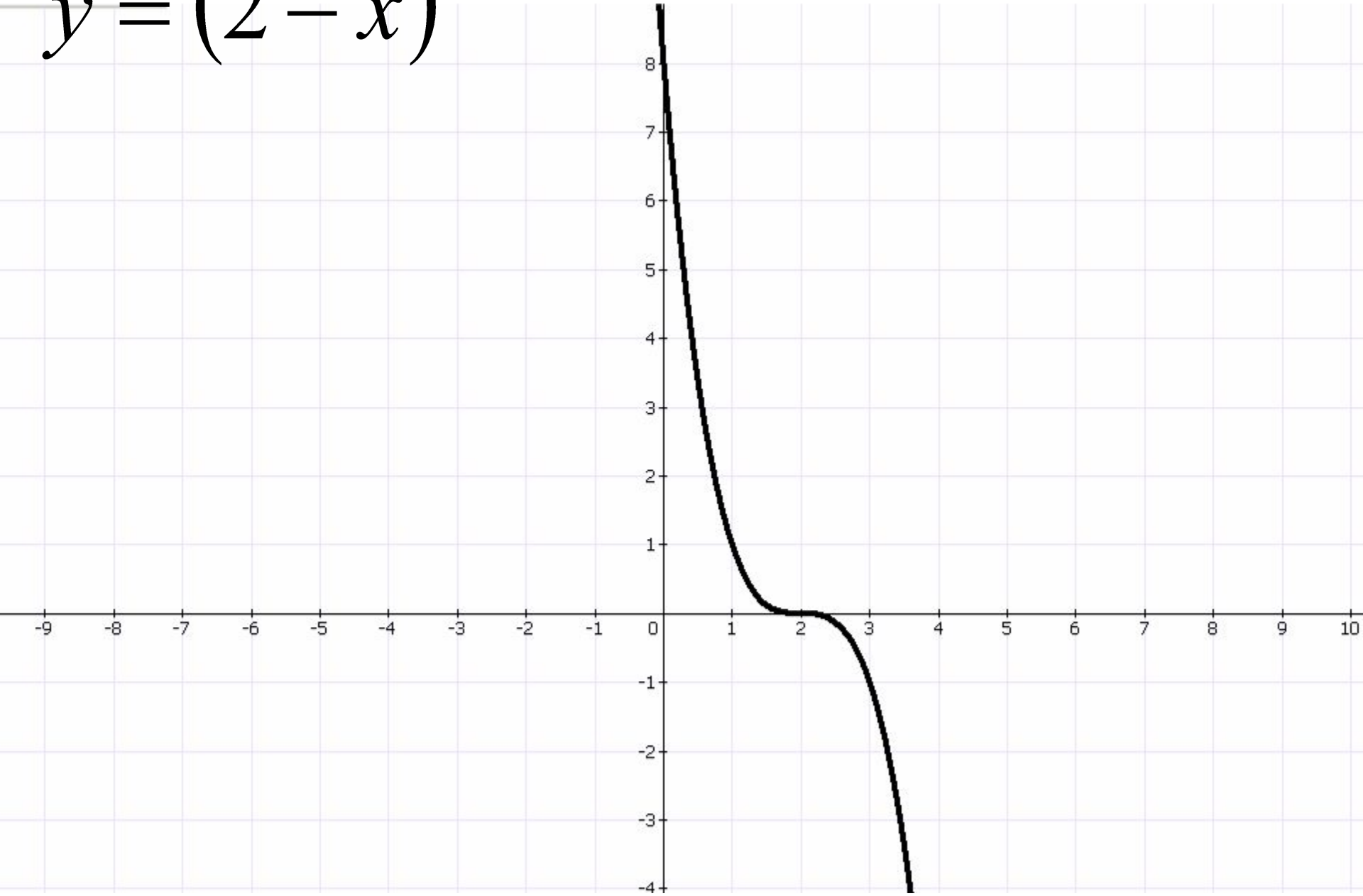
$$y = \frac{1}{|x + 1|}$$



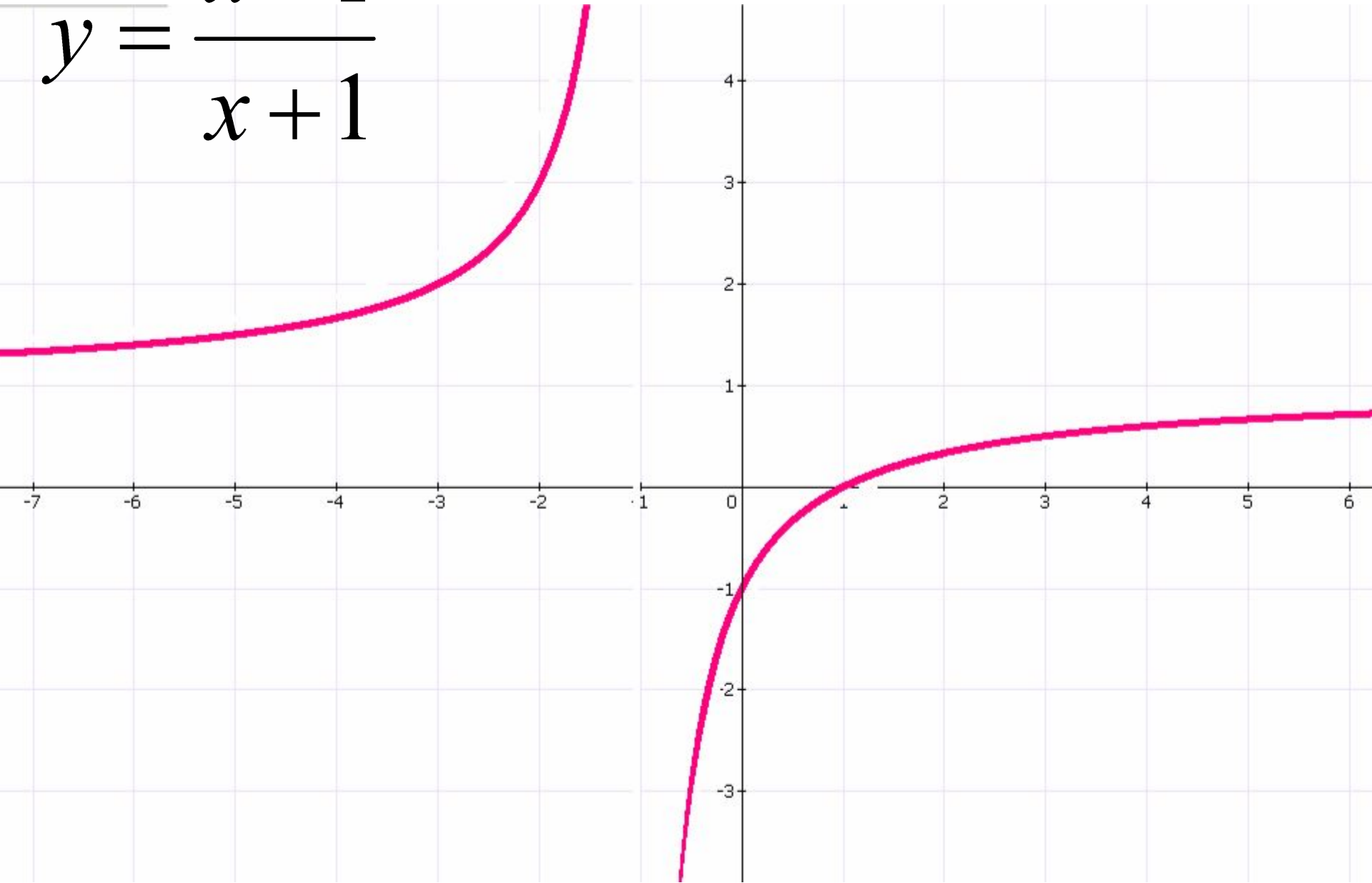
$$y = -(x - 1)^3$$



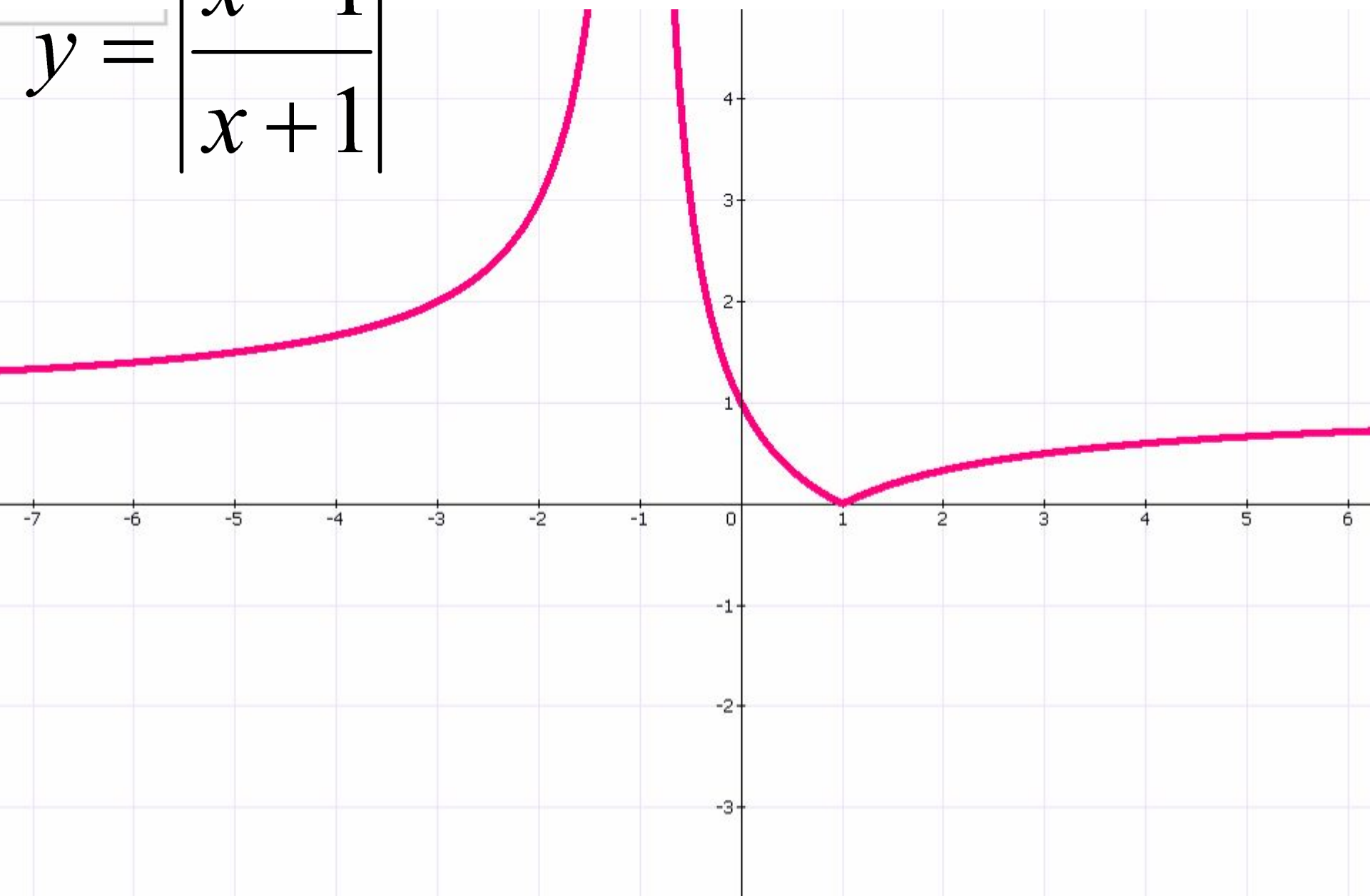
$$y = (2 - x)^3$$



$$y = \frac{x-1}{x+1}$$



$$y = \left| \frac{x-1}{x+1} \right|$$





$$y = \frac{|x| - 1}{|x| + 1}$$

