

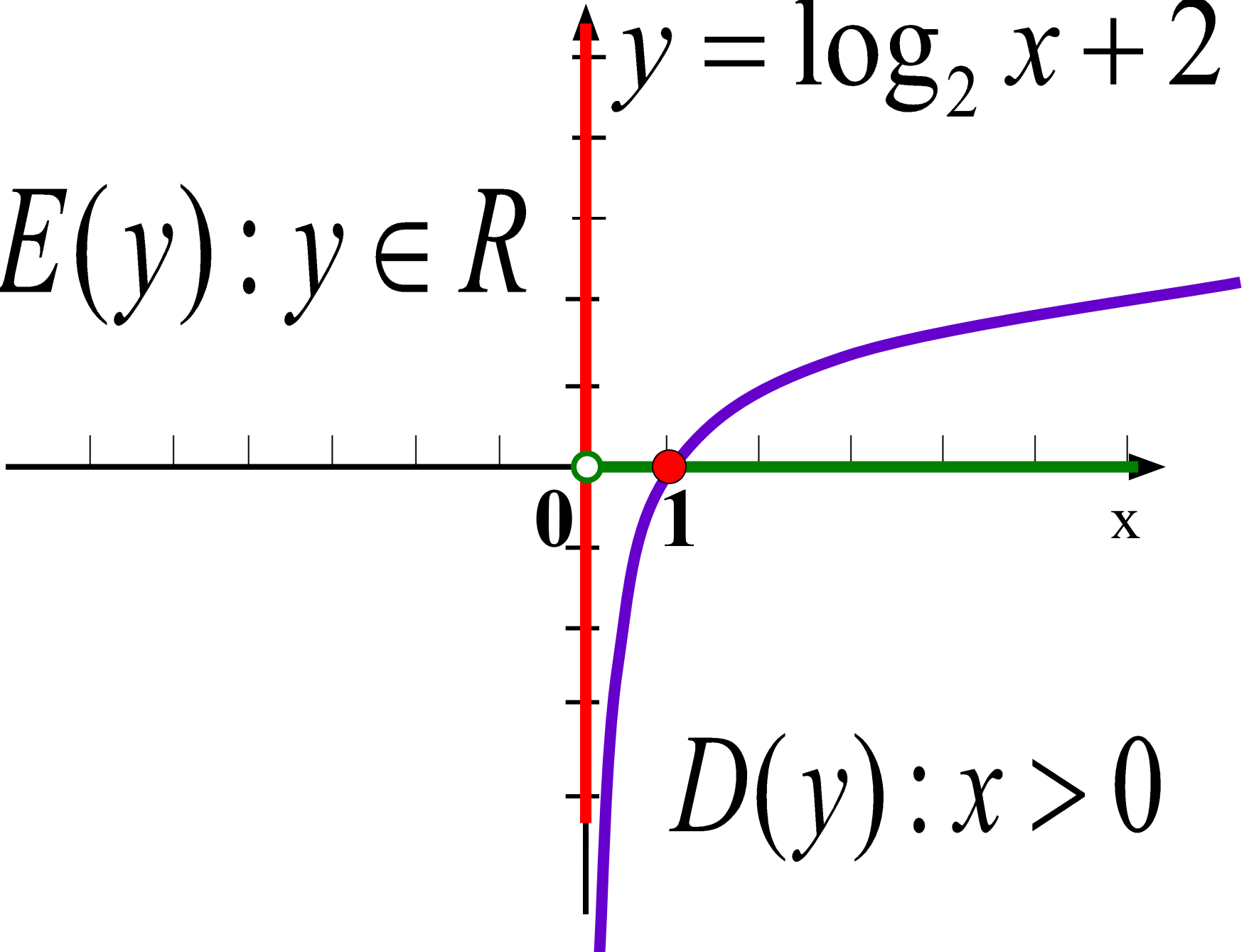
Логарифмическая
функция.

Преобразования
графиков.



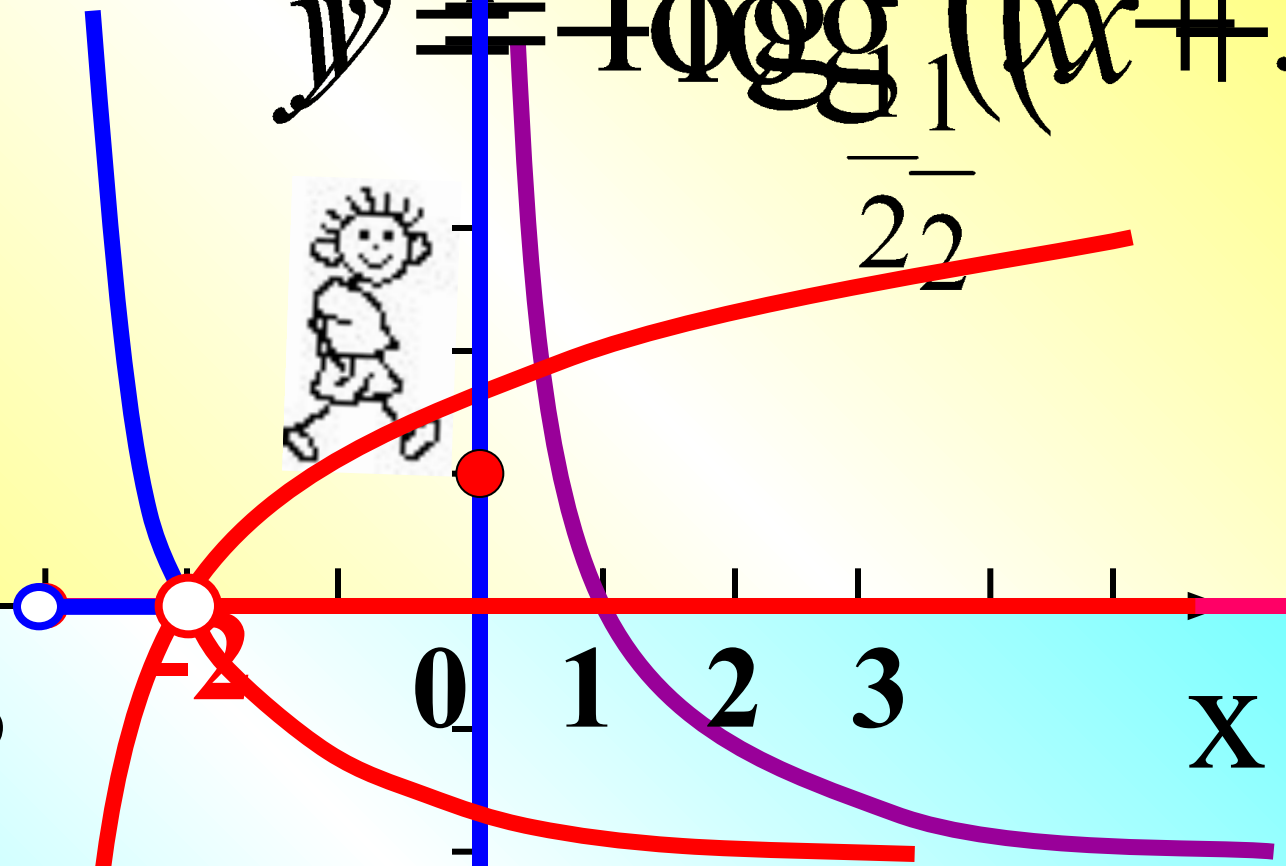
$$y = \log_2 x + 2$$

$$E(y) : y \in \mathbb{R}$$



$$D(y) : x > 0$$

$$y = -\log_2(x+3)$$



-3

-2

0

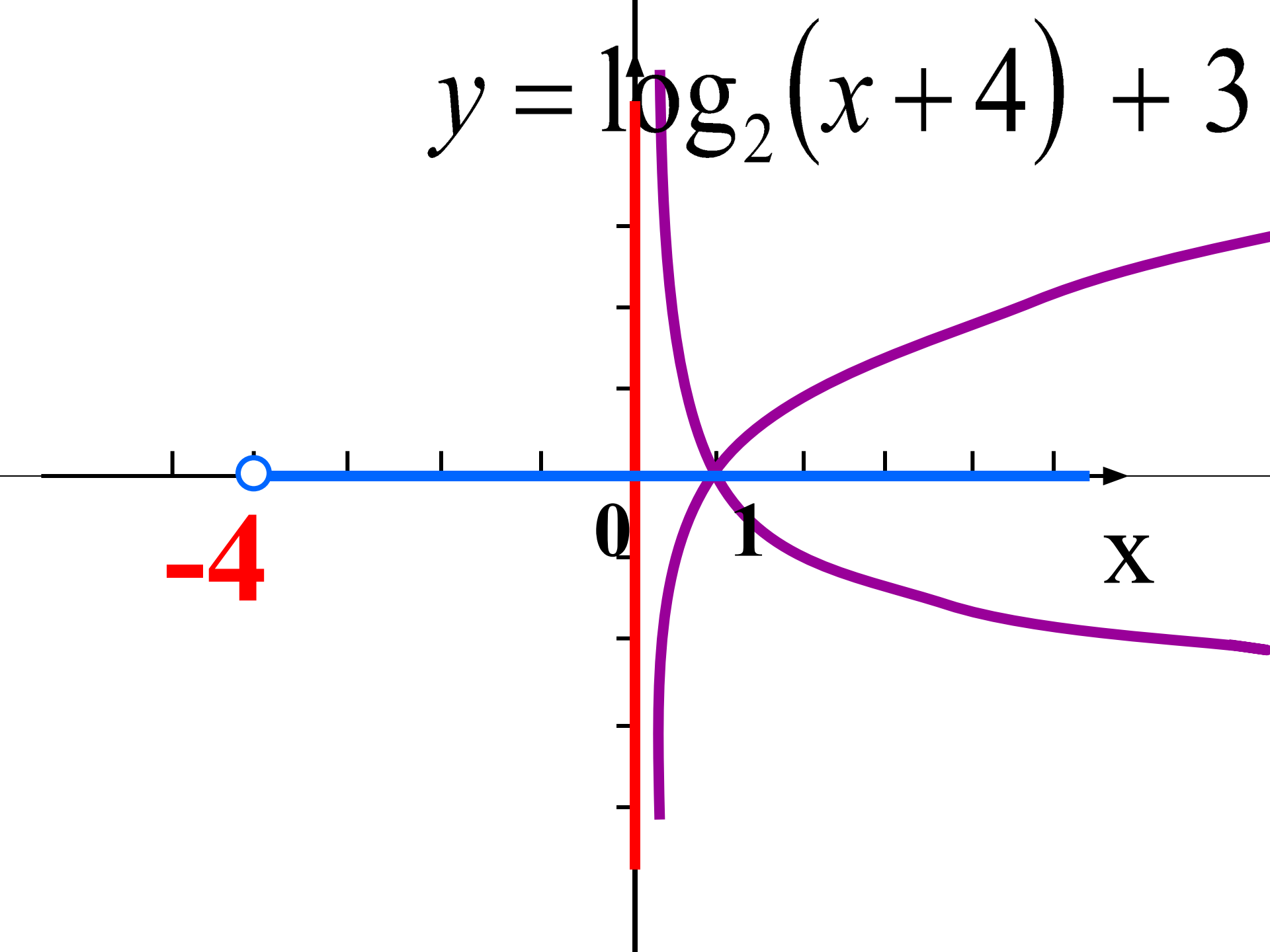
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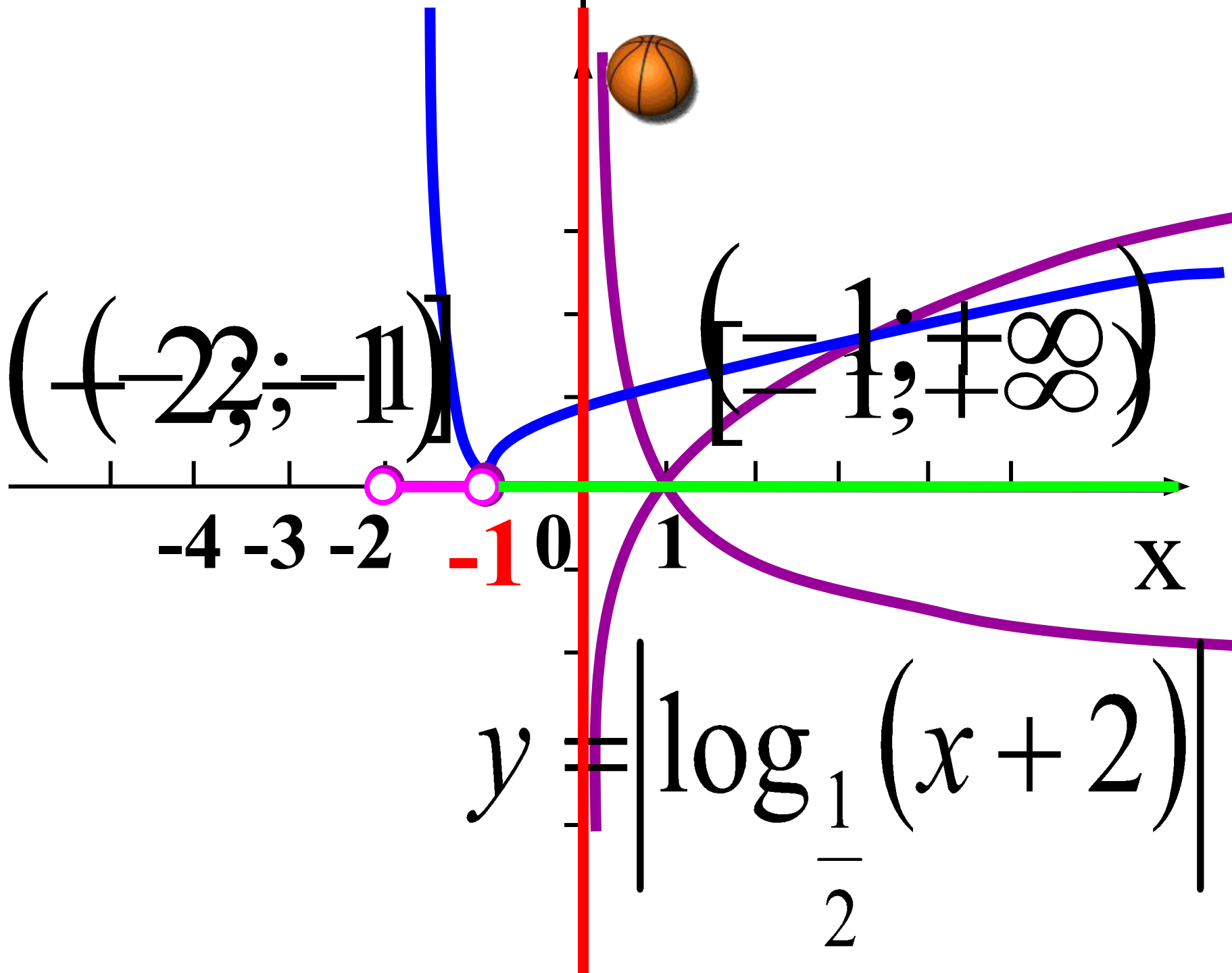
2

3

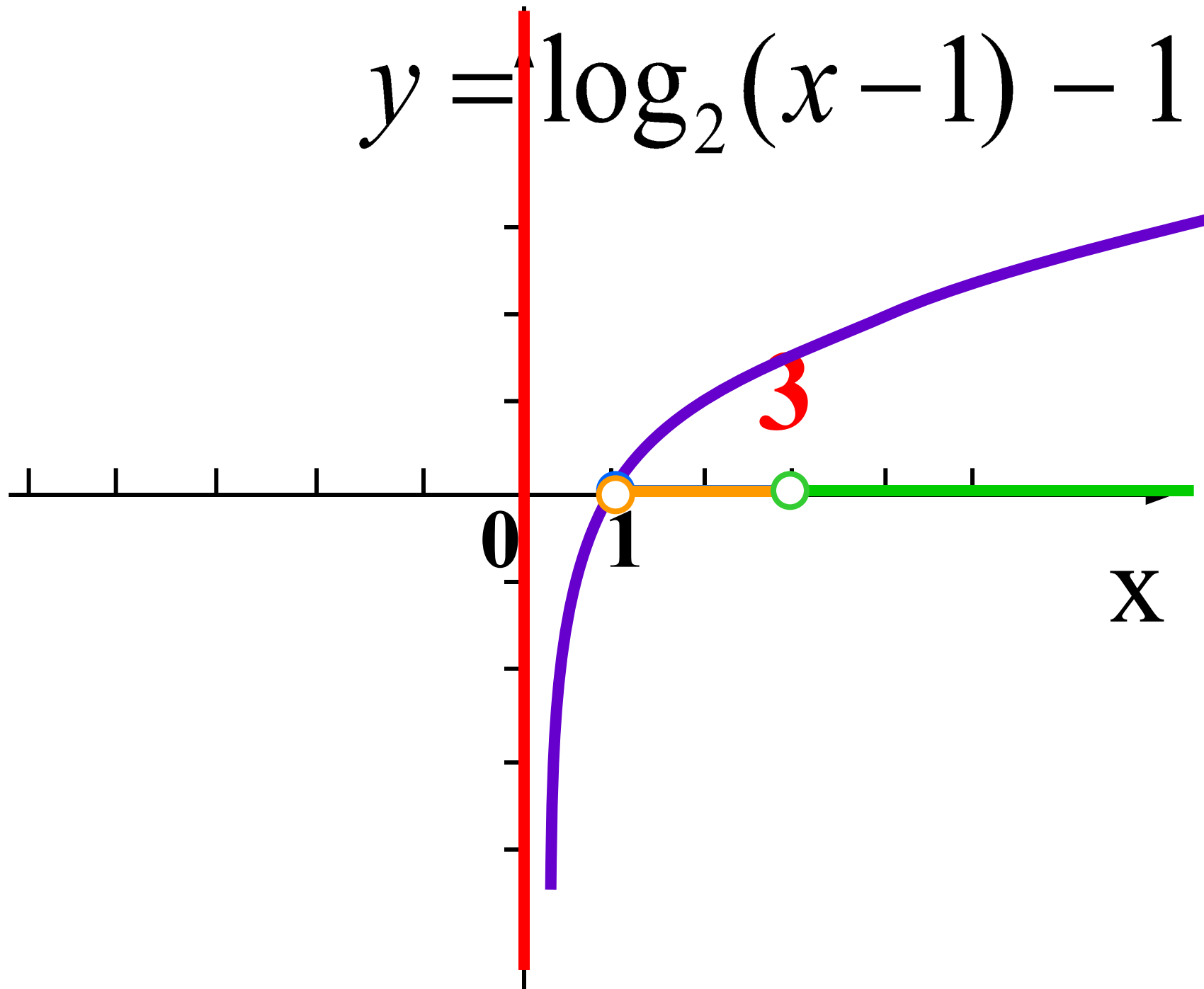
X

$$y = \log_2(x + 4) + 3$$

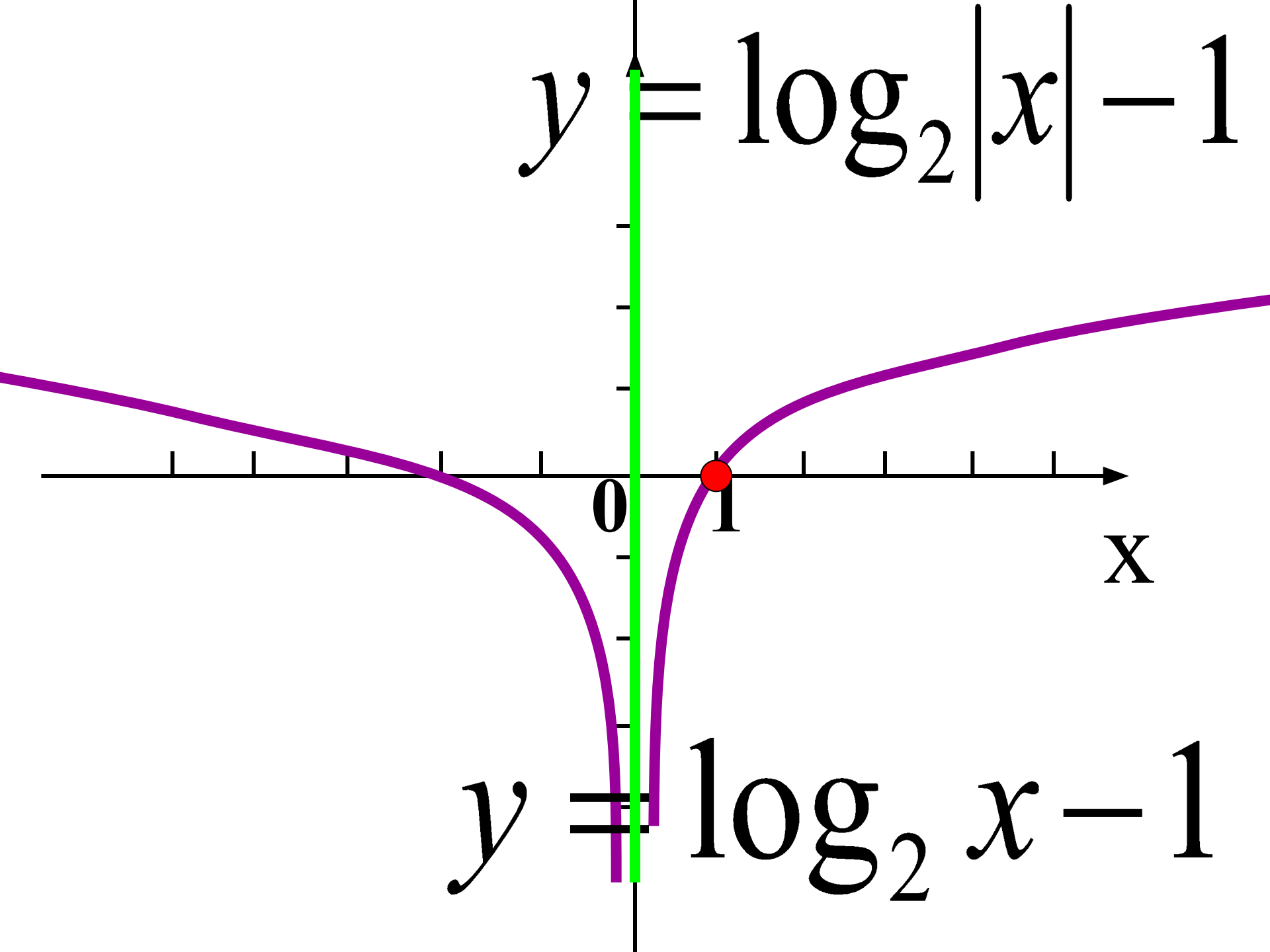




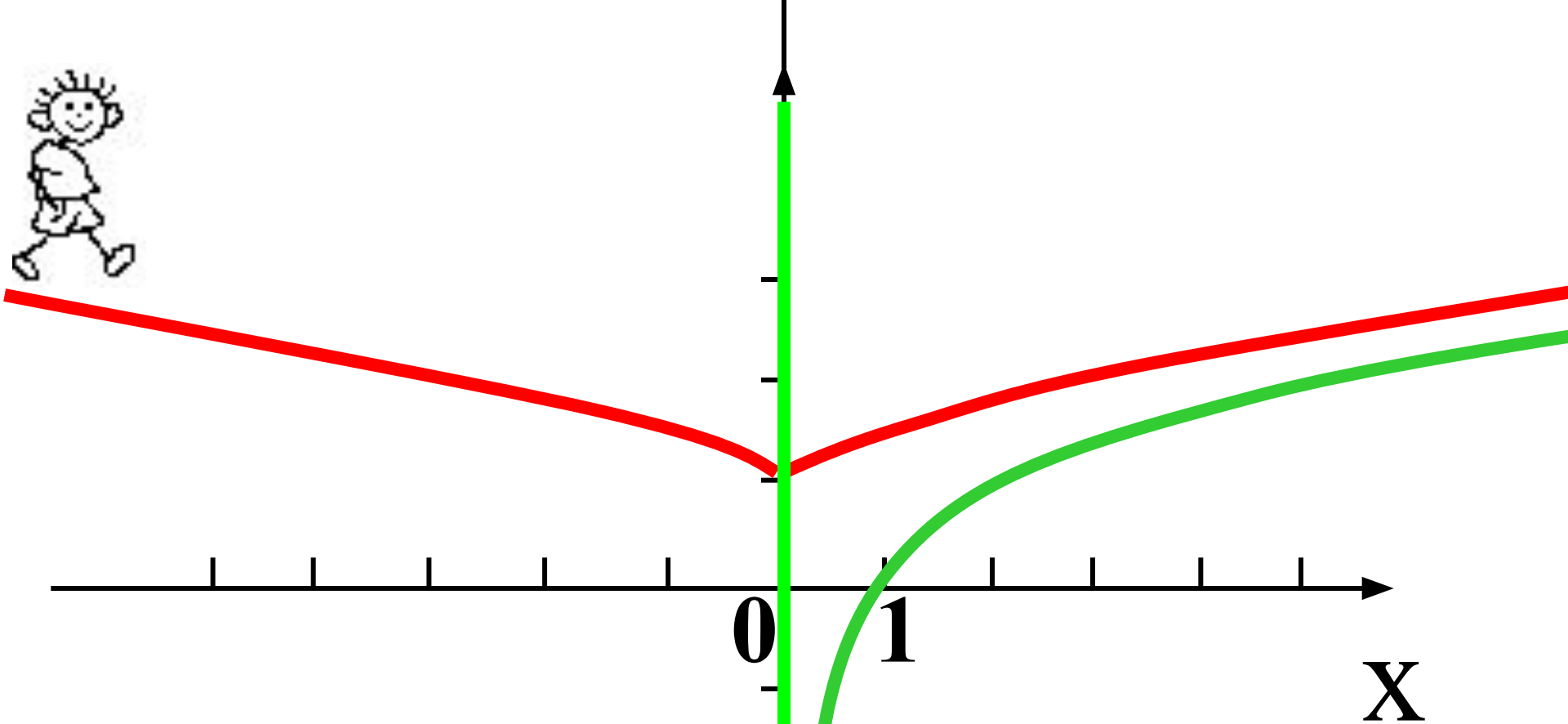
$$y = \log_2(x - 1) - 1$$



$$y = \log_2 |x| - 1$$

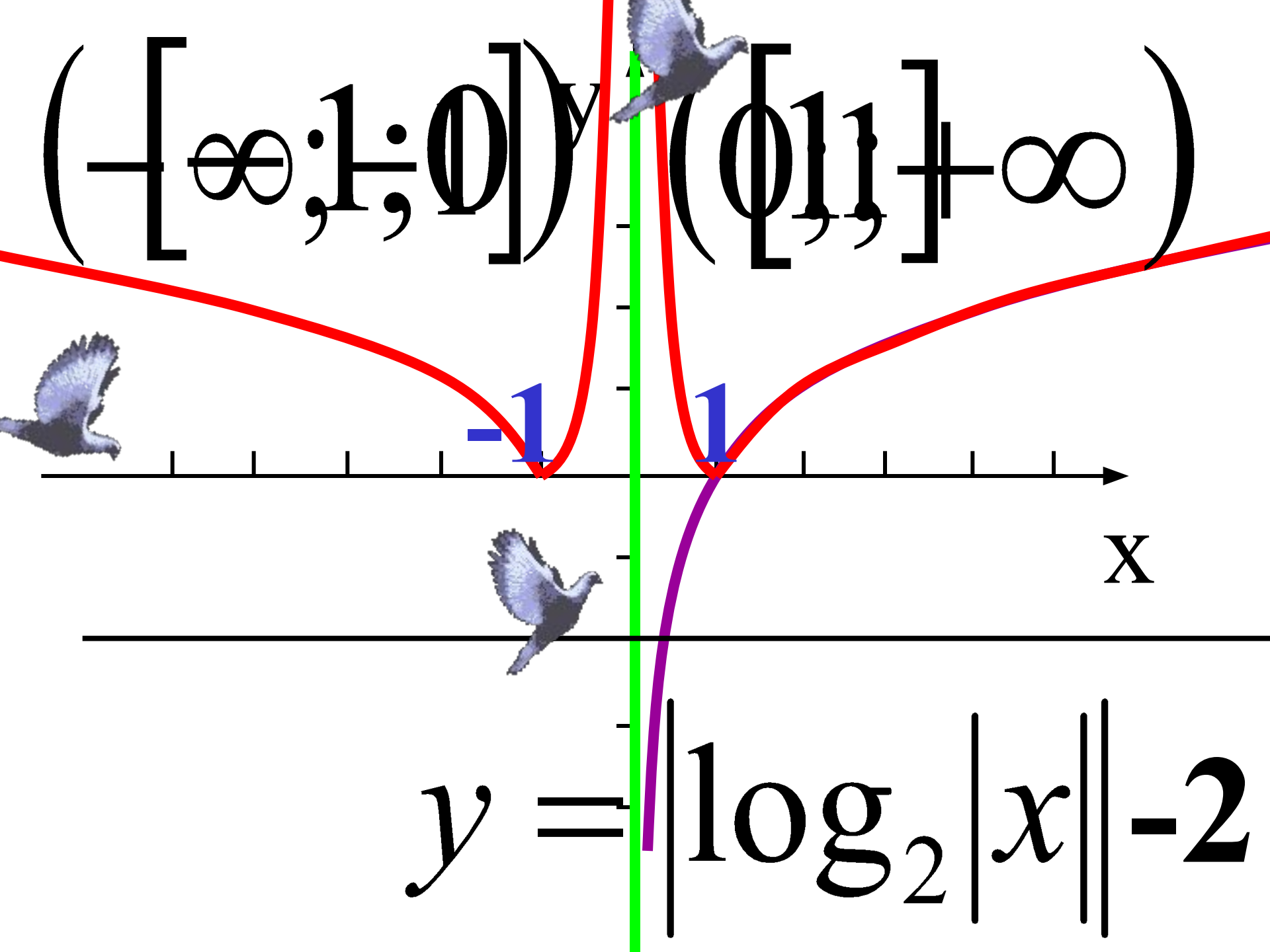


$$y = \log_2 x - 1$$



$$y = \log_2(|x| + 2)$$

$$\left(\left[\begin{array}{c} -\infty \\ 1 \\ 0 \end{array} \right] \right)_y \quad \left(\left[\begin{array}{c} 1 \\ 1 \\ +\infty \end{array} \right] \right)_x$$



$$y = |\log_2 |x|| - 2$$

