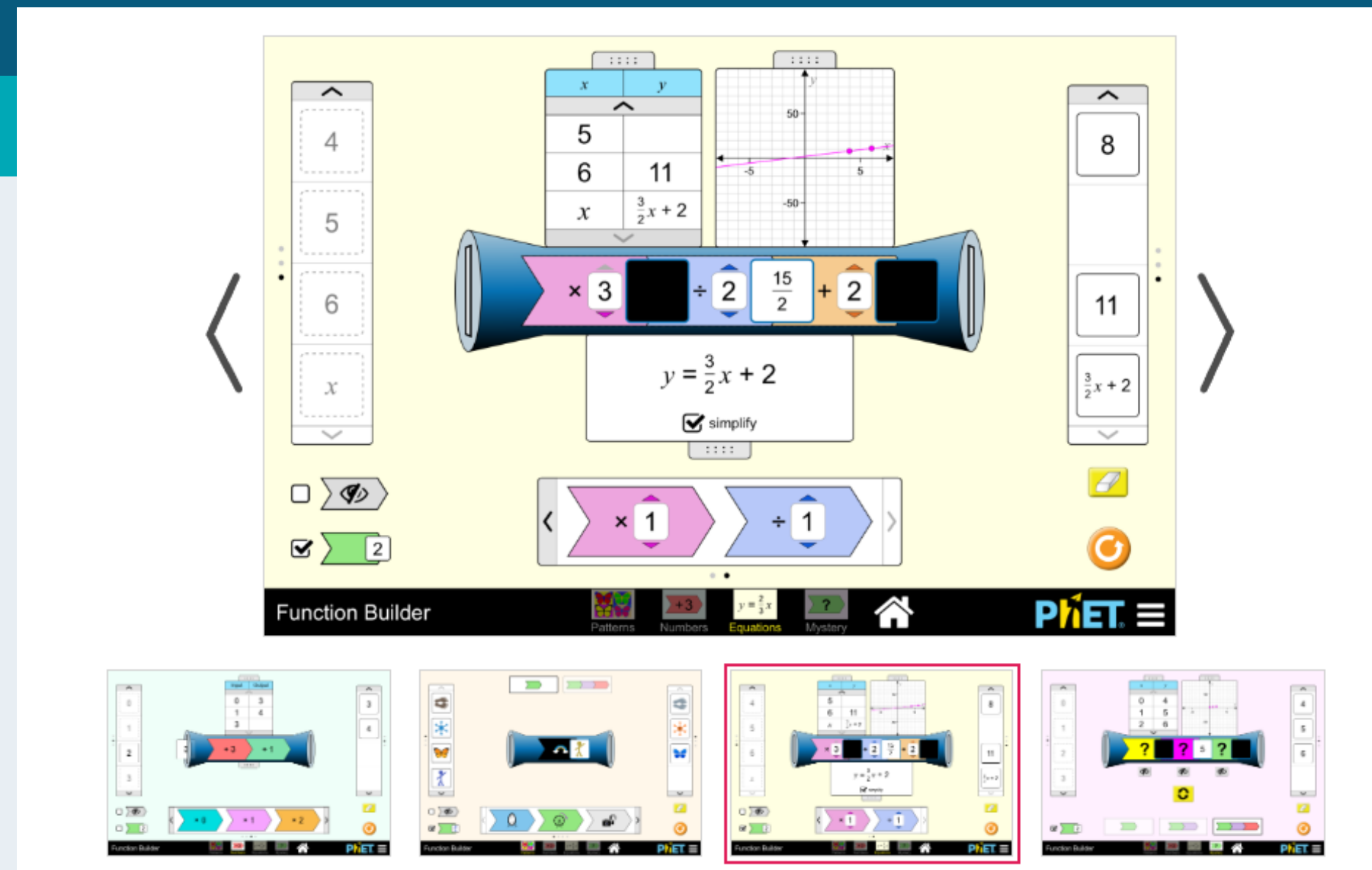


АНАЛИТИКА ГРАФИКОВ СРЕДСТВАМИ ИНТЕРНЕТ РЕСУРСОВ И ПРОГРАММНЫХ ПРИЛОЖЕНИЙ

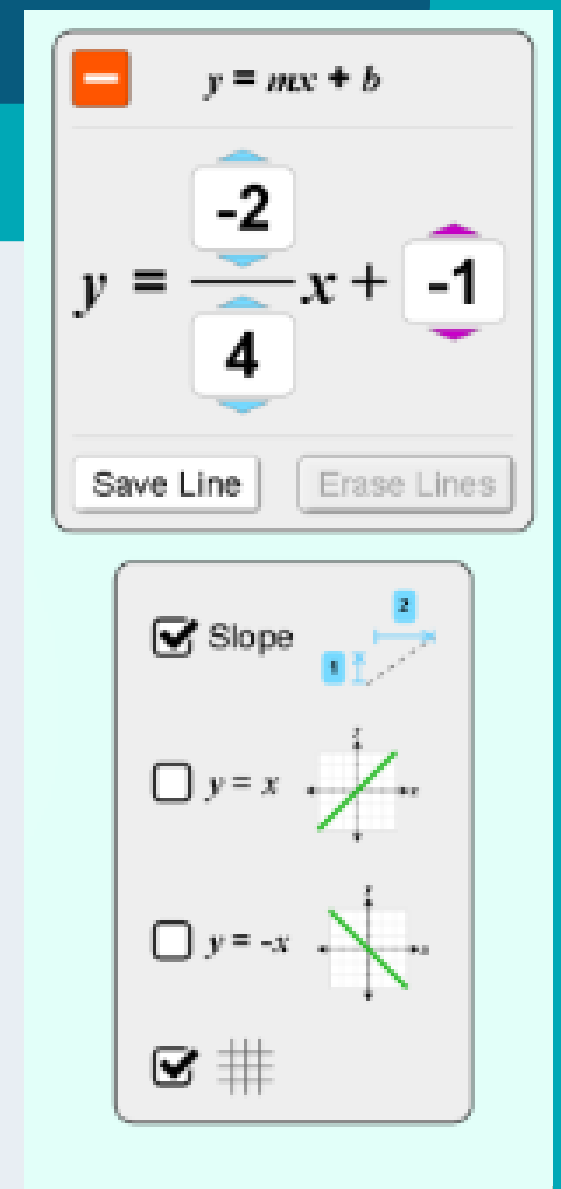
НАЗАРОВА ЕЛЕНА АЛЕКСАНДРОВНА



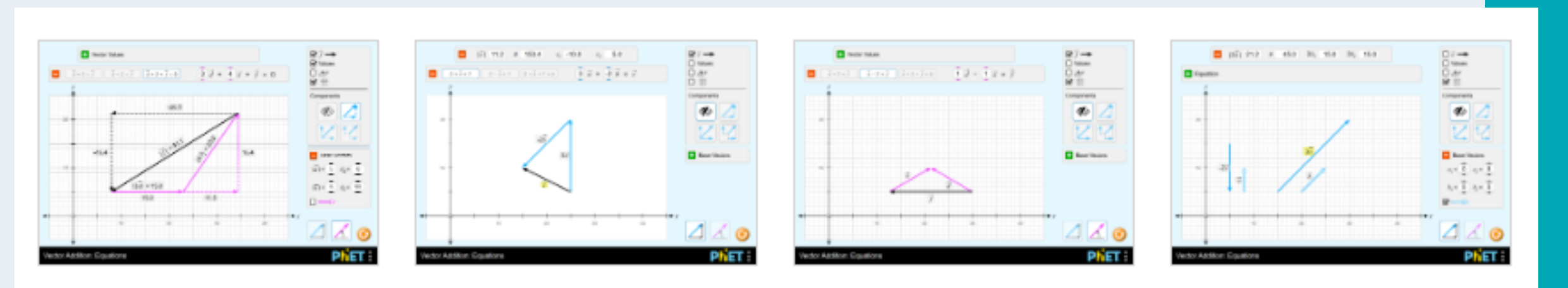
<https://phet.colorado.edu/>

The screenshot shows the PhET Function Builder simulation. It features a central interface with a table, a graph, and a function builder. The table has columns for x and y, with values 5, 6, and x, and corresponding y values 11 and $\frac{3}{2}x + 2$. The graph shows a line passing through points (5, 11) and (6, 11). The function builder shows the equation $y = \frac{3}{2}x + 2$ with a 'simplify' checkbox. Below the main interface are four smaller thumbnails showing different simulation modes: Patterns, Numbers, Equations, and Mystery.

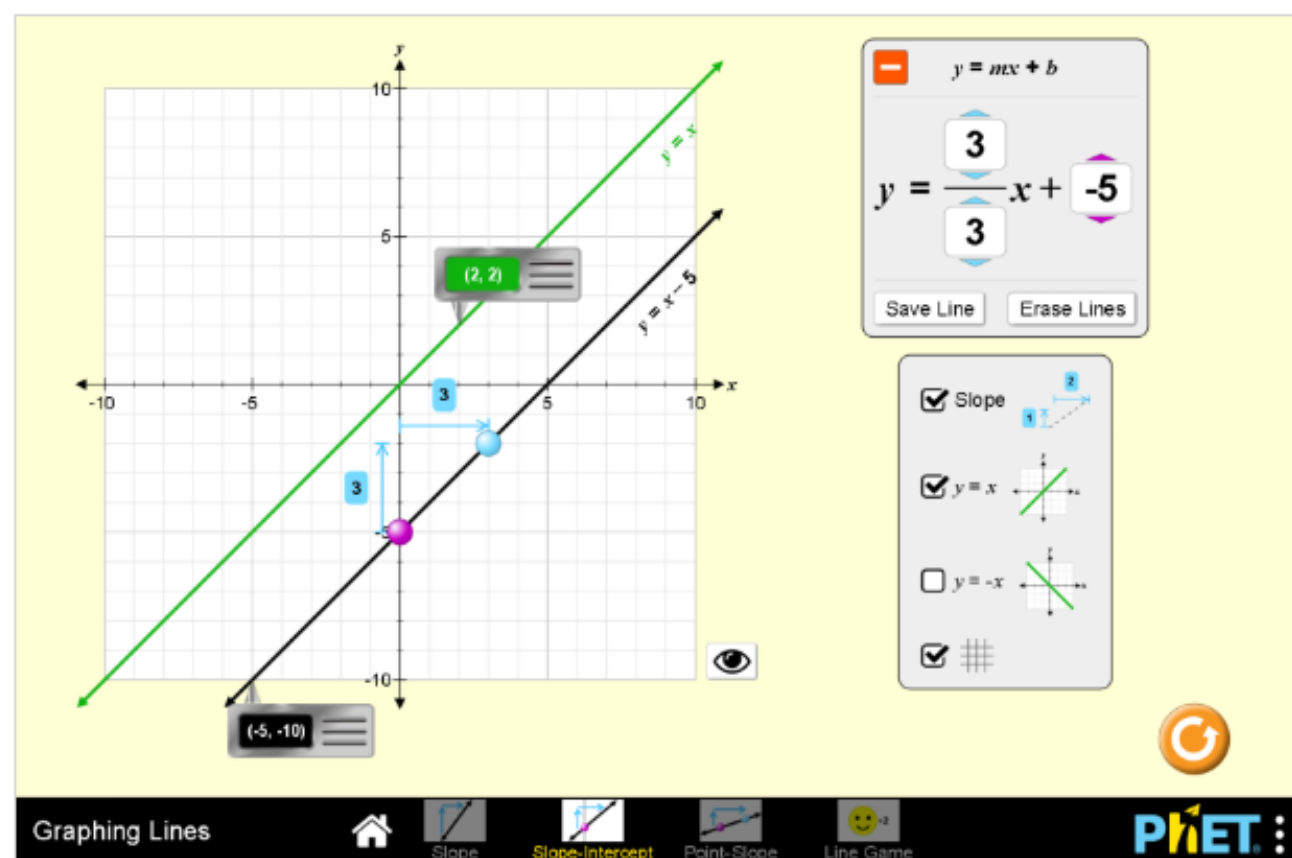


The screenshot shows the PhET Linear Equation simulation interface. It displays the equation $y = mx + b$ with input fields for m and b. The current values are m = -2 and b = -1, resulting in the equation $y = -\frac{2}{4}x - 1$. There are buttons for 'Save Line' and 'Erase Lines'. Below the equation input are three checkboxes: 'Slope' (checked), 'y = x' (unchecked), and 'y = -x' (unchecked). There is also a grid checkbox (checked).



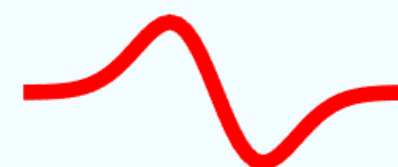
This block contains four screenshots of the PhET Vector Addition: Equations simulation. Each screenshot shows a different vector configuration on a coordinate plane. The first screenshot shows a vector from (0,0) to (3,4) with its components (3,4) and (3,4). The second screenshot shows a vector from (0,0) to (3,4) with its components (3,4) and (3,4). The third screenshot shows a vector from (0,0) to (3,4) with its components (3,4) and (3,4). The fourth screenshot shows a vector from (0,0) to (3,4) with its components (3,4) and (3,4).

Graphing Lines



Calculus Grapher

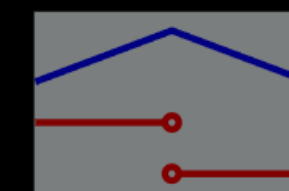
$f'(x)$



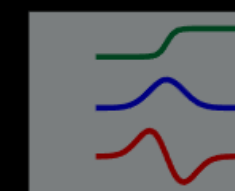
Derivative

$$\int_0^x f(x) dx$$

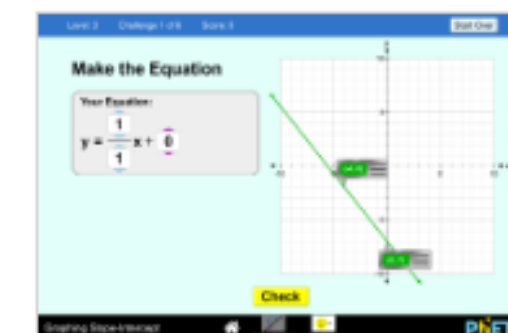
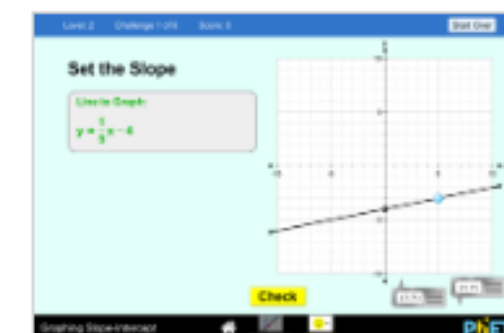
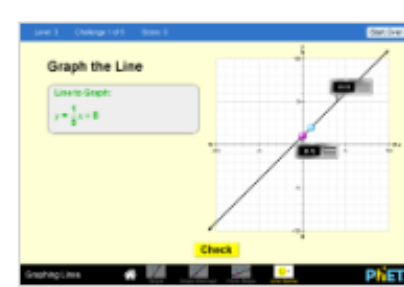
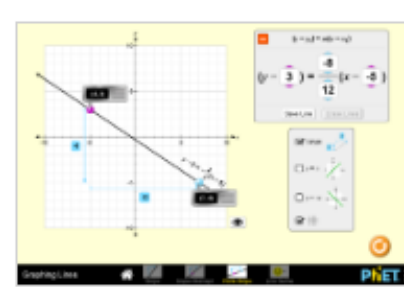
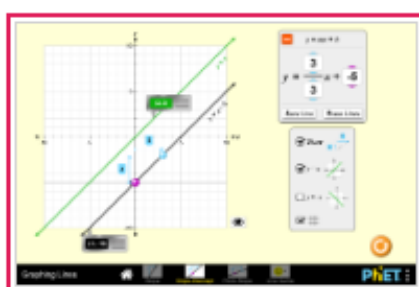
Integral



Advanced

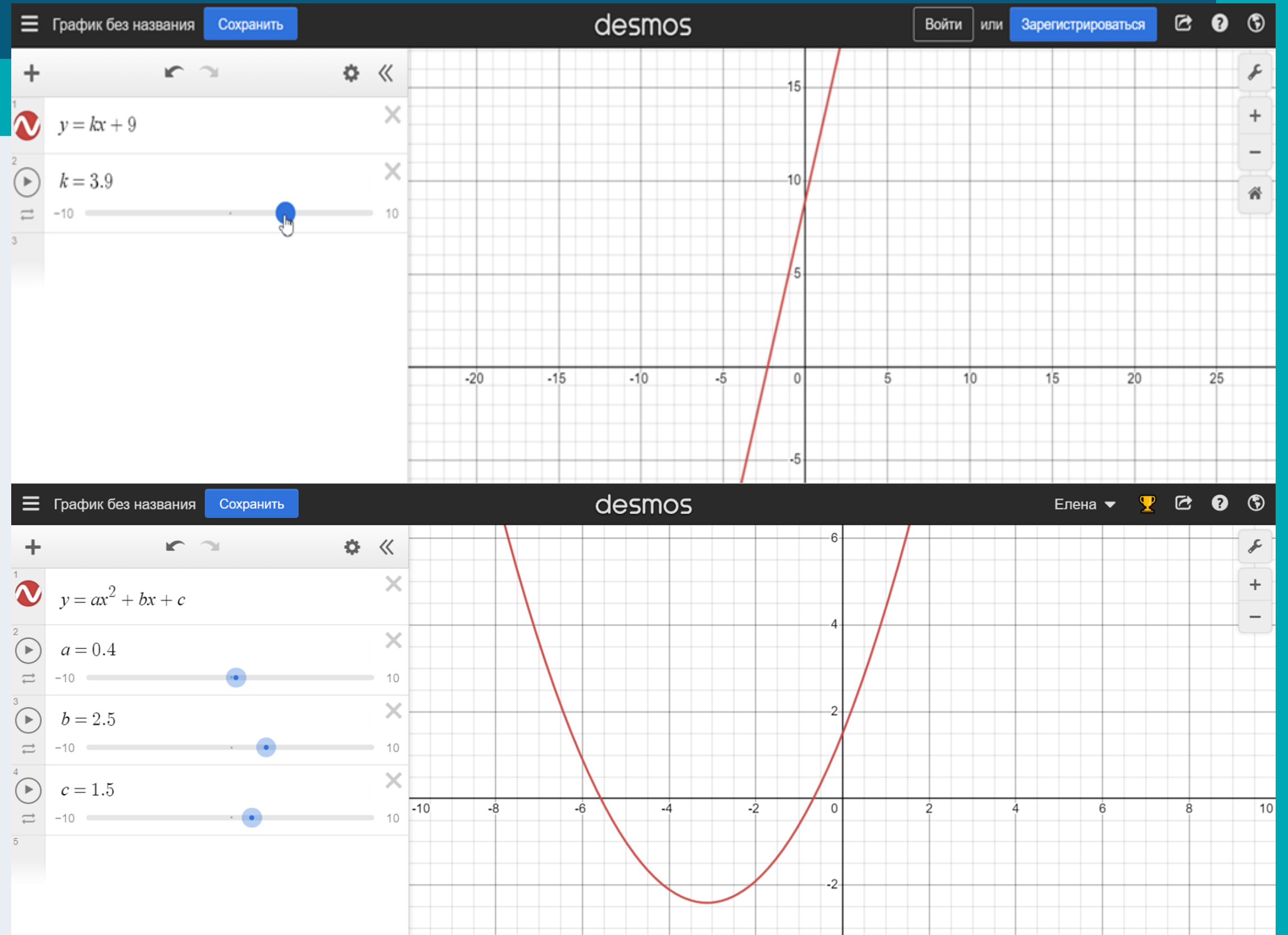


Lab



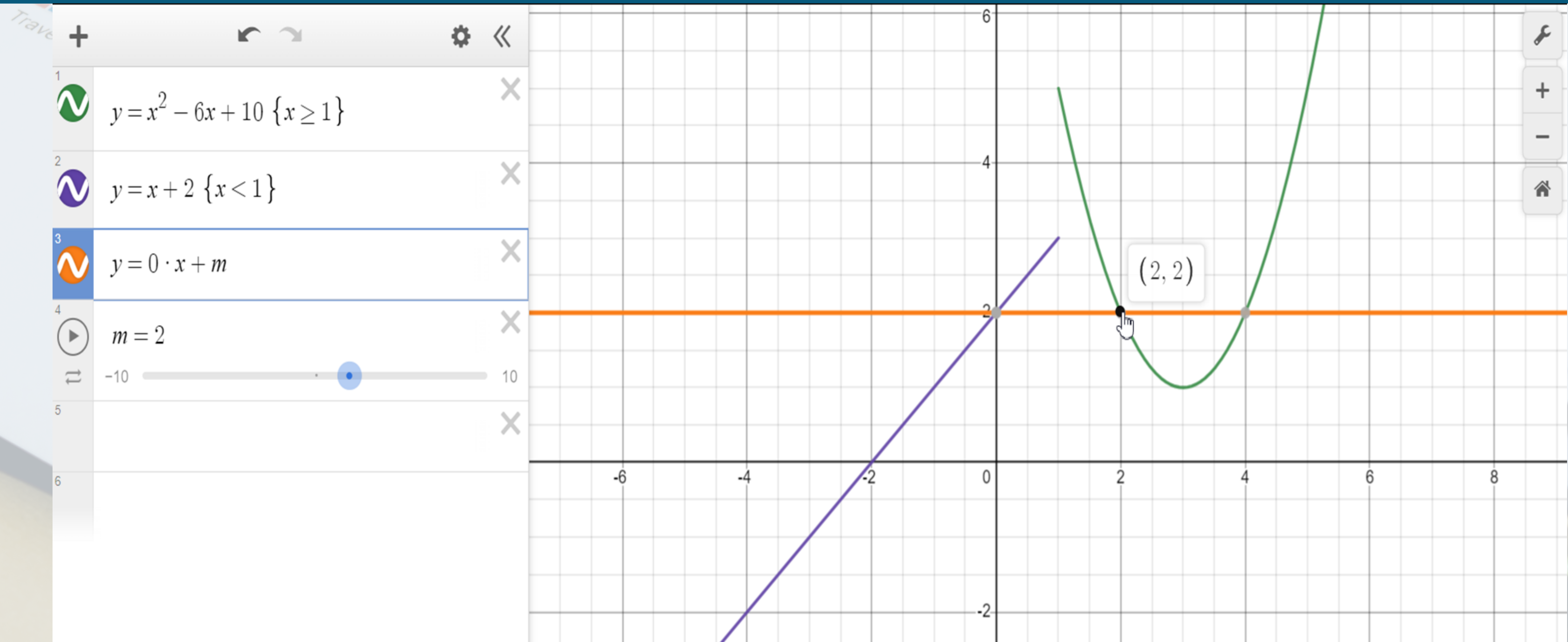
desmos

<https://www.desmos.com/>

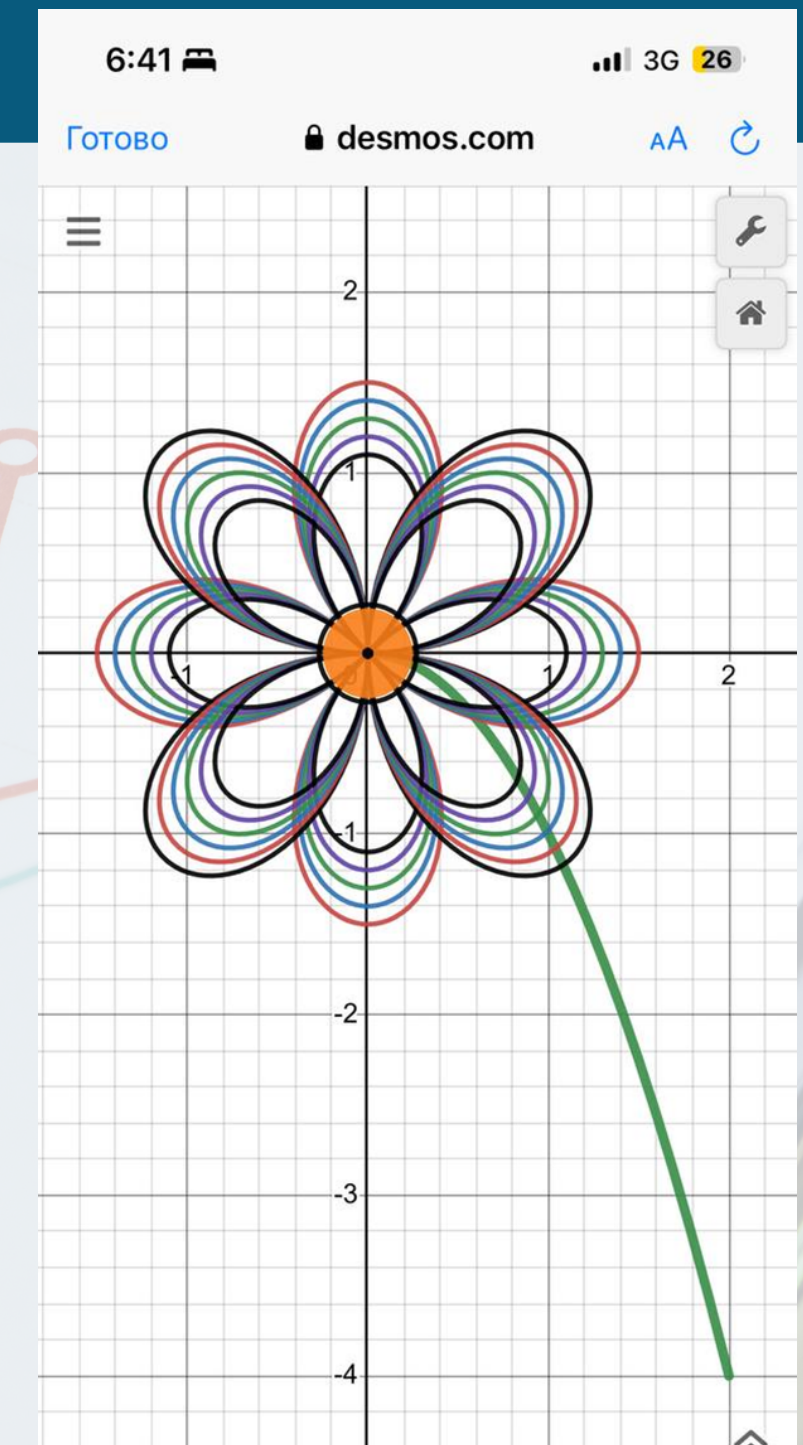
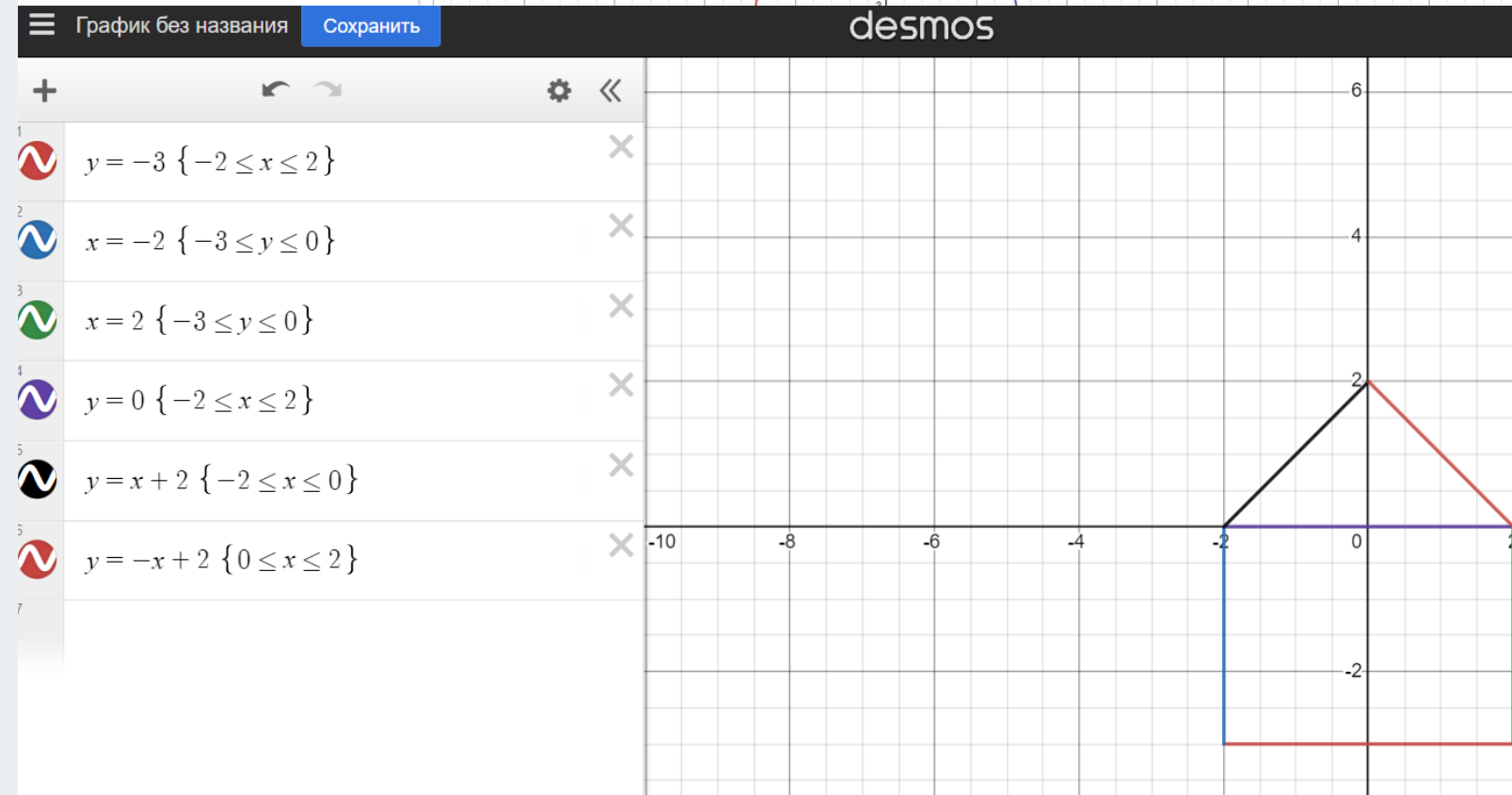
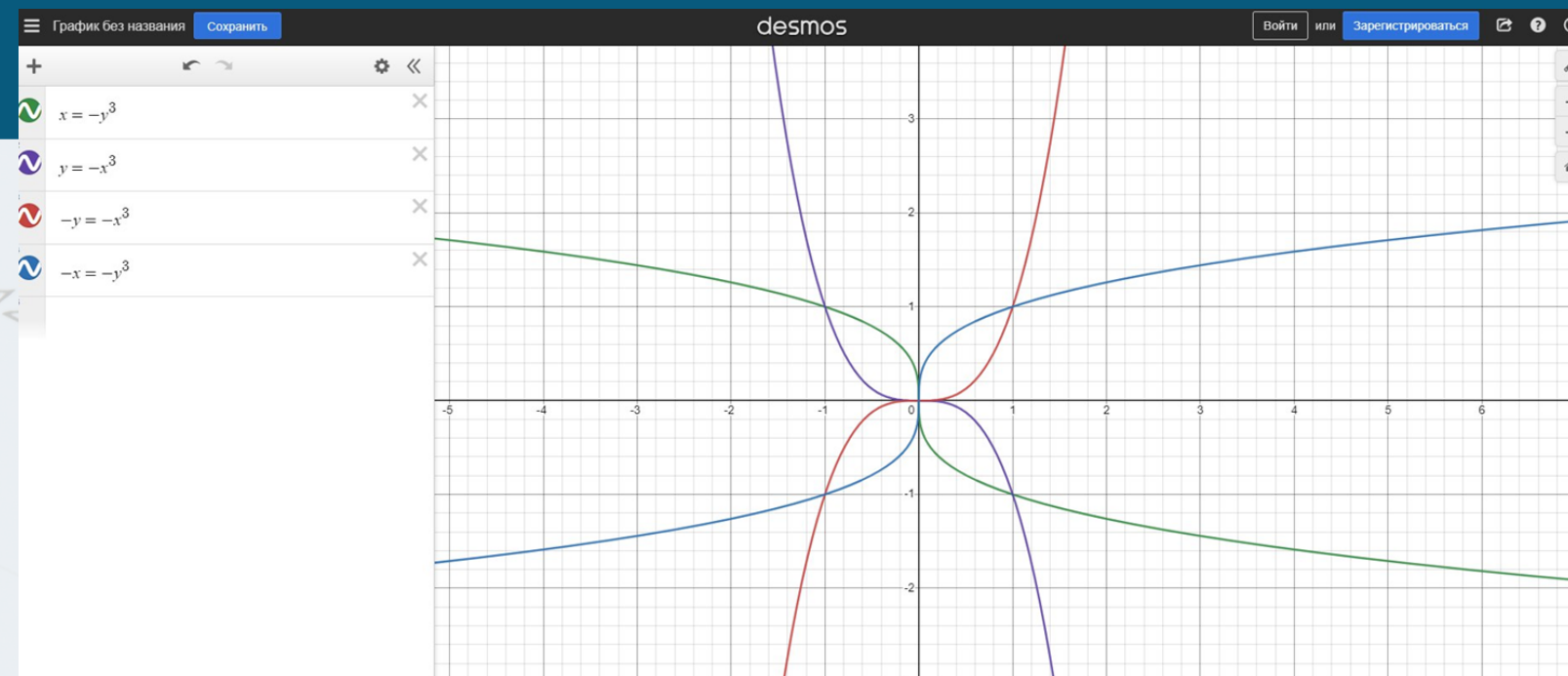
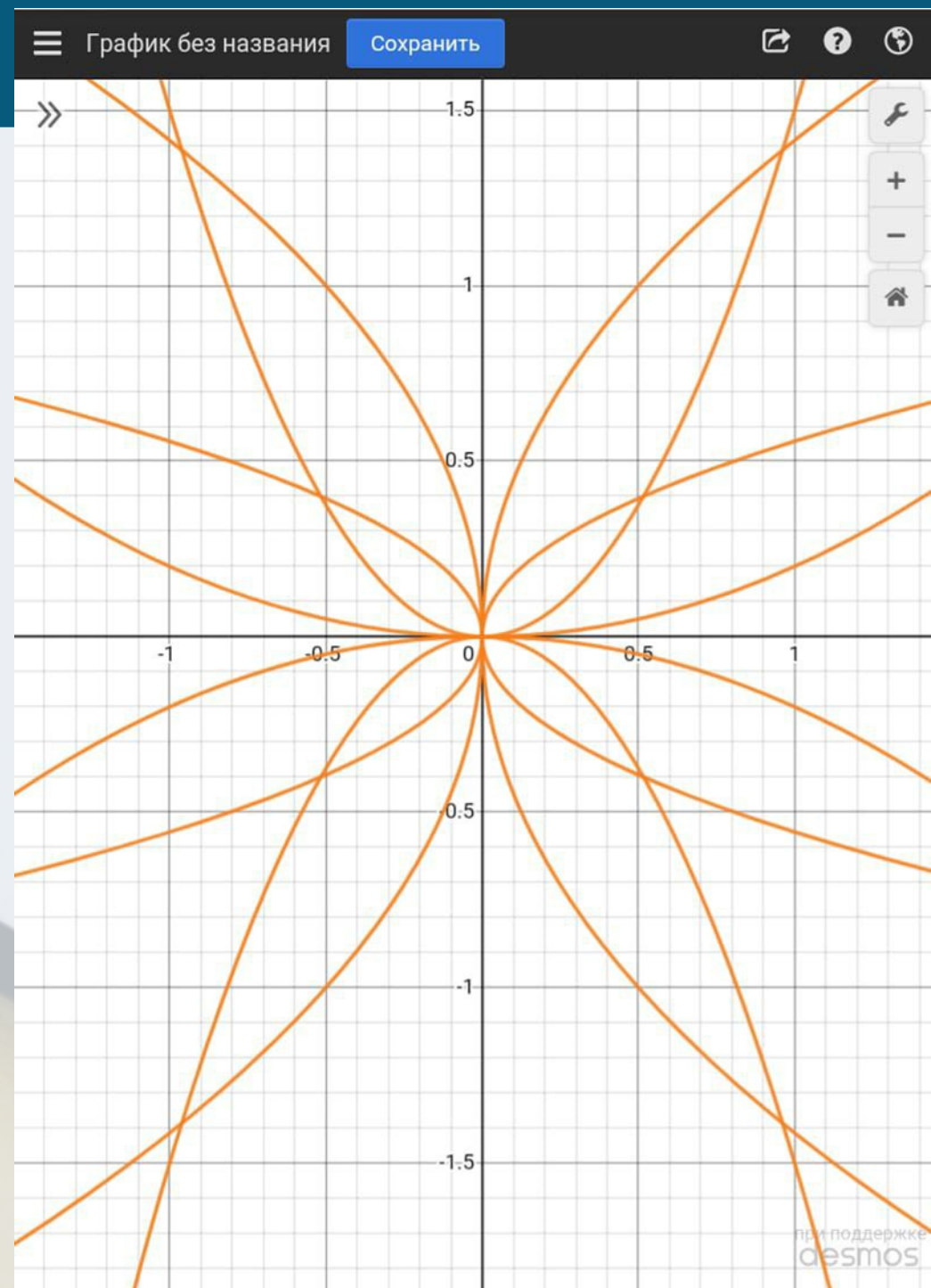


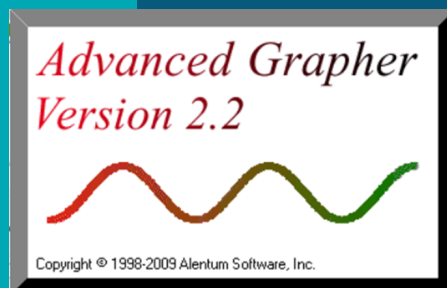
$$\begin{cases} x^2 - 6x + 10, x \geq 1 \\ x + 2, x < 1 \end{cases}$$

№22 ОГЭ ПО МАТЕМАТИКЕ



ТВОРЧЕСКОЕ ДОМАШНЕЕ ЗАДАНИЕ





Advanced Grapher

