

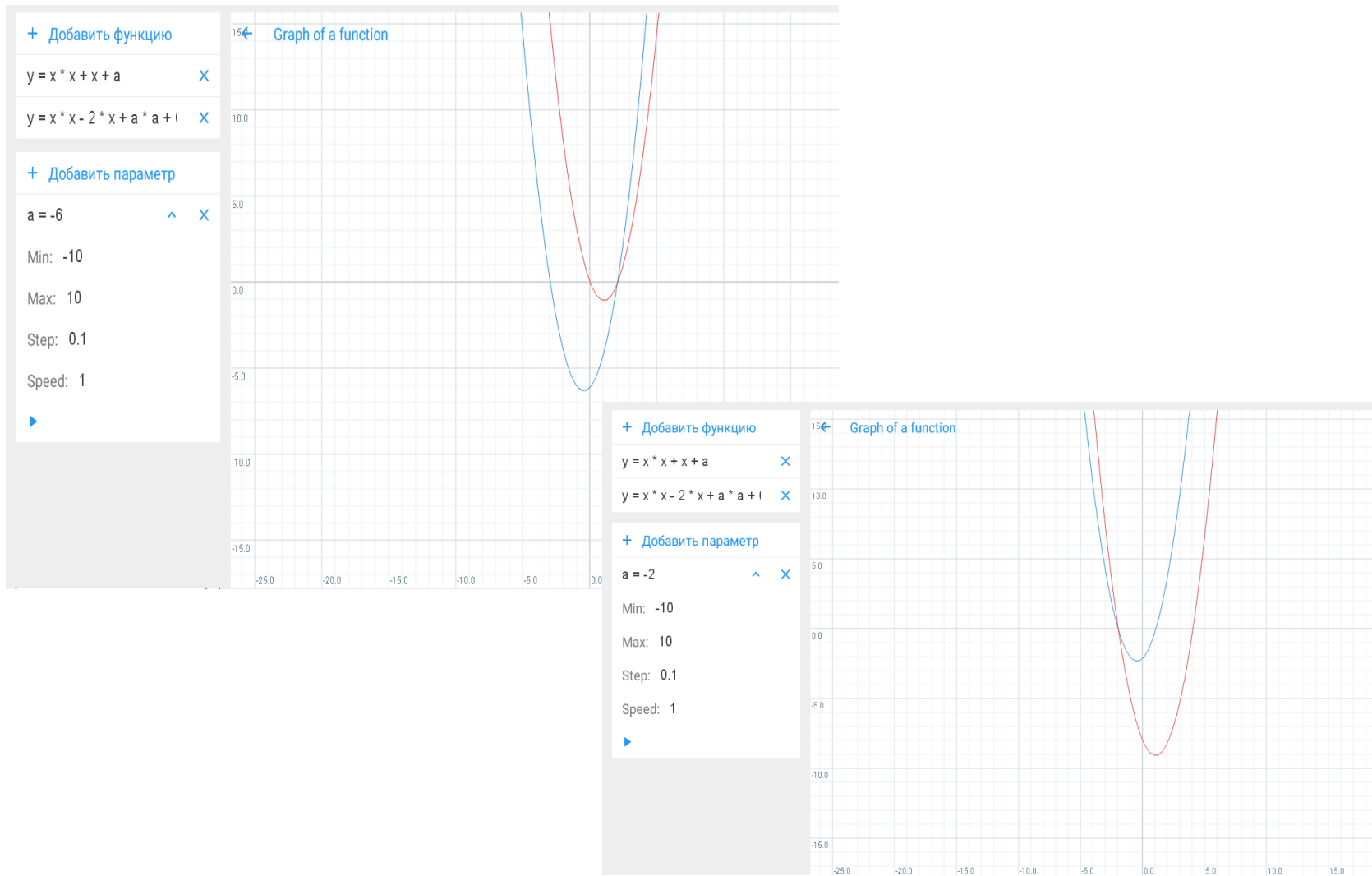
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**Using the developed web-application for
solving problems of increased complexity
in mathematics**

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- This article will describe the developed web application and show its use as an example of solving problems with the parameter. Using this application makes it easier to solve problems, makes this solution more visual, which allows students to gradually move to an independent solution of these problems.
- The distinctive features of the created software product that provide a certain novelty and originality of development are as follows:
 1. The application works on almost all modern platforms that support the browser.
 2. Created an adaptive interface, suitable for different screen sizes.
 3. Easy and convenient to use.
 4. Visual representation of function changes depending on the parameter using dynamic graphics.
 5. Used modern web technologies.

Figure 1. Russian-language interface of application



Thus, when preparing students to solve difficult tasks, it is necessary to take into account the following features:

- It is important to choose the most rational solution method depending on the problem condition.
- Solving the problem in several ways, if possible, allows you to assess the complexity of a particular solution and choose the optimal one. At the same time, it allows you to check the level of mastering mathematical skills.
- Visualization using special programs, attracting Web resources helps the student in understanding the problem and determining the direction of its solution.