

**National Research University  
Higher School of Economics**

**Program of entry exam in Mathematics**

**In English**

**Moscow  
2023**

## **The Syllabus of the Entry Exam in Mathematics**

The exam lists the basic mathematical concepts that applicants should be familiar with.

The volume of knowledge and the degree of mastery of the material, which are described in the syllabus, match the appropriate mathematics course at a high school. Applicants may use all concepts from this course, including precalculus. However, in order to solve the exam tasks it is enough to be familiar with the notions and properties, which are listed in this syllabus. Concepts, which are not studied at a secondary school, can be used as well, but the only condition is that the applicant should be able to explain and prove them in the detailed solution.

Entry exams are held in the form of a written test. The duration of the exam is 120 minutes. Different problems score different points ranging, the maximum score is 100 points.

It is forbidden to use calculators, special literature, reference materials, etc. during the exam.