**Variant 1**

**I. Translate from English to Russian.**

1. A curved line is a line no portion of which is straight.

2. To solve an equation containing fractions, we first reduce each fraction to its lowest terms.

3. Not all students of our group succeeded in passing the exam in algebra.

4. There are some other properties of a triangle to be studied.

5. Comparing such values will help us in calculations with decimal numbers.

6. The experiment made showed absolutely different results.

7. Being quite a young man Newton developed a new mathematical method.

8. He was the first to explain this phenomenon theoretically.

9. To show the difference between these polygons was necessary in our case.

10. It is no good using this formula when finding the circumference.

**II. Make up questions with the question words given in parentheses.**

1. By the use of algebra we can reduce complex problems to simple formulas. (How?)

2. A simple closed figure is drawn in a plane. (Where?)

3. We will describe a few similar situations at the next lesson. (When?)

4. Out teacher introduced a new system of equations last term. (What?)

5. In recent years men have improved on Euclid’s work. (Who?)

6. We are going to solve three problems today. (How many?)

**III. Put in a suitable form.**

1. I though they … theoretical mechanics.

a) studied b) are studying c) have studied

2. Passengers … take only one item of hand luggage on board.

a) ought b) is able c) may

3. He said the exams … very difficult.

a) will be b) had been c) has been

4. The text was rather difficult, but he … translate it without a dictionary.

a) can b) was able to c) has to

5. Highly qualified specialists … at numerous faculties of the University.

a) are trained b) have trained c) are training

6. The teacher asked the students if they … the problem.

a) would solve b) had solved c) have solved

7. The pre-war education and material base of the University … by the end of 1950.

a) is restored b) had been restored c) has been restored

8. It … rain, you’d better take an umbrella.

a) may b) must c) is able to

9. Next year she … grant to study abroad for one year.

a) would be given b) has been given c) will be given

10. We were told that Andrew … to enter that college.

a) is going b) has been going c) was going

**IV. Translate into English the words given in parentheses.**

1. (Величина угла) is the number of (градусов) through which one side of the angle has turned away from the other side.

2. The Greeks succeeded in finding (другие множества) of three numbers which gave (прямоугольные треугольники).

3. The diameter of a circle (проходит через центр).

4. By using the (свойства умножения) of an equation, we obtain the following property.

5. A triangle having all sides of equal length is called an (равносторонний) triangle.

6. Every simple closed figure (делит плоскость) into three distinct sets of points.

7. Euclid brought all the known facts about geometry into a (логическую последовательность).

8. To find the truth is the (цель) of our discussion.

9. We must use (фигурные скобки) so as to avoid (непонимания).

10. Each (упорядоченная пара) (x, y) tells you how (определить местонахождение) a point in the coordinate plane.

**V. Answer the questions.**

1. What is the most fundamental idea in the study of geometry?

2. What is a definition?

3. What kinds of triangles do you know?