

V. Achkan,
candidate of pedagogical sciences, associate
professor
(Berdyansk State Pedagogical University)

FORING OF PROCEDURE AND LOGICAL MATHEMATICAL COMPETENCIES OF SENIOR PUPILS IN THE PROCESS OF STUDY OF TRIGONOMETRIC EQUATIONS AND INEQUALITIES IN CLASSES OF DIFFERENT PROFILE

In the context of reformin of mathematical education, building of a personality oriented system of mathematical training it is very important the implementation of competence approach. The necessity of realization of competency approach has been declared in the General criteria of evaluation the educational achievements of pupils in the system of general secondary education, approved by the Ministry of Education and Science of Ukraine. At the same time there are contradiction between basis theoretical scientific achievements in the problems of competence approach and lack of ways of its realization in school practice; between goals and objectives of mathematics education aimed on gorming of system knowledge, intellectual development, activation of pupils' cognitive activity at the forming at them key and mathematical competencies and poor methodical support, the lack of specific methodical recommendations, which are necessary for solving these problems. All this explanes the actuality of scientific grounding of ways of realization of giving changes in school mathematical education.

The important step of introduction of competence approach in mathematics teaching is concretization of general provisions on the level of study subjects and definite topics in the main and senior profile school.

One of the main content lines of the school algebra course and beginning of analysis is a line of equations and inequalities, which has an extensive system of innersubject (with other lines of course) and intersubject connections. That's why it is traditionally equations and inequalities are well represented in the tasks of state final attestation and external independent estimation in mathematics. However, the results of execution of these tasks in recent years have significantly worsened. This makes the actual the problem of improving the methods of teaching of senior pupils solving equations and inequalities with position of competence approach.

The purpose of the article is to open the methodical aspects of procedural and logical mathematical competencies of senior pupils in the study of trigonometric equations and inequalities in classes, which study according to the programm of academic, profile and depth levels.

For forming at pupils the procedural and logical mathematical competencies in the process of study trigonometric equations and inequalities it is important to familiarize them with oriented basics of activity in searching the plan of solving of trigonometric equations and inequalities; to organize the activity of pupils in making plans for solving equations and inequalities, implementation of givinf plan, the analysis of the results; to solve oral exercises with pupils, directed to the developmentof their logical thinking and mathematical speech;

applied tasks, mathematical models which are trigonometric equations and inequalities.