

## **Solving of reverse constructions with GeoGebra in mathematics teacher training**

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In our contribution we present the use of the reverse construction in mathematics teacher training. While implementing the Computer Algebra Systems (CAS) in education teachers assess tasks and problems solved by these systems. We used the CAS GeoGebra to show how to deal with this problem. The utility of replaying construction is necessary. In case of right solution, the assessment is not problematic, but in the case of wrong construction teacher has to find out where is the fault, what object was constructed. Each student was given by 3 constructions in GeoGebra and they had to find out what was the task, to set what was given (independent) objects and what was the requested (dependent) object. In the paper we present the successfulness of students in solving given problems, their methods of problem solving. We also present their opinions to use CAS in geometry education and to this type of activity in teacher training.