SECONDARY SCHOOL STUDENTS' MISCONCEPTIONS ABOUT LINEAR ALGEBRA

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ABSTRACT

In this study, the difficulties that students have experienced in learning linear algebra, an abstract scientific discipline of mathematics, have been researched. These difficulties, which started in secondary education, are also reflected in the university. It was investigated where troubles originate and what needs to be done to reduce them, in order to prevent these difficulties. For this purpose, an answer was sought in the question "Misconceptions and proposed of solutions in linear algebra at secondary education level". This research was conducted on 43 students studying at a secondary school. The students were asked six questions in total: five written and one oral. The collected data were analysed by researchers jointly. It has been revealed where the students made misconceptions. Some suggestions have been made to minimize these misconceptions. It was determined that the students made less misconceptions, when the concepts were explained. Findings and results will be shared detailed in the presentation.

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