

# **Components of Creativity and Mathematical Achievement in Undergraduate Students**

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This study examined several factors in the educational setting and their relationships to Components of creativity. The following research question with its subcomponents formulated the basis of the research: *Does a measure of student achievement in mathematics contribute to the prediction of student performance on the general Components of creativity student perception of his/her creative ability and gender?* Using existing instruments, several factors within the educational setting were examined that may be indicative, individually or collectively, of a student's creativity potential. The factors considered included achievement in mathematics, attitude towards mathematics, self-perception of creative ability, and teacher perception of mathematical talent and creative ability. Conceptual knowledge and heuristic strategy components, among other factors, interact in successful creativity thinking.