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**Lev, Miriam; Leikin, Roza**

**The interplay between excellence in school mathematics and general giftedness: focusing on mathematical creativity.**

Leikin, Roza (ed.) et al., Creativity and giftedness. Interdisciplinary perspectives from mathematics and beyond. Cham: Springer (ISBN 978-3-319-38838-0/hbk; 978-3-319-38840-3/ebook). Advances in Mathematics Education, 225-238 (2017).

Summary: Observation that the interrelations between mathematical creativity, mathematical expertise and general giftedness are vague is what motivated a large-scale study that explores the relationship between mathematical creativity and mathematical ability. The study employs Multiple Solution Tasks (MSTs) as a tool for the evaluation of mathematical creativity in high-school students. We discuss the links between mathematical creativity, excellence in school mathematics and general giftedness as reflected in an empirical study of senior high-school students in Israel, which implemented the MST tool. The study demonstrated that between-group differences are task-dependent and are a function of mathematical insight integrated in the mathematical task.

*Classification:* C40 C90

*Keywords:* mathematical creativity; multiple solution tasks (MST); general giftedness; excellence in mathematics

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