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How to teach Mathematics at the time of a permanent educational reform

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The last complete educational reform concerning the entire school system in Poland was introduced in 1999. Since the schooling period comprises 12 years, it would now be possible to estimate the impact of the reform on the preparation of the students entering the universities. However, some partial solutions pertaining to the process were changed several times along the way, resulting in sometimes significant differences in the extent of mathematical knowledge acquired by students entering universities at different years. On a basis of own teaching experience and also taking into account data from PISA surveys, we present some observations and suggest some possible approaches to the tasks of teaching Mathematics to students not specialising in Mathematics.

- [1] J. Hoffman et al. *Dreams of Calculus, Perspectives on Mathematics Education*, Springer, Berlin, Heidelberg New York, 2004.
- [2] *Podstawa programowa z komentarzami (Commented Programme Fundamentals)* in Polish, edited by Polish Ministry of National Education
- [3] *Programme for International Student Assessment (PISA), PISA 2012 Results*