



SELECTED GEOMETRICAL CONSTRUCTIONS

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ABSTRACT. *This article deals with selected classical geometric constructions that should be interesting also at the time of modern information and communication technologies. Golden ratio, harmonic proportions, arithmetic and geometrical proportions were already known ratios in the past. Their constructions have been well-known for several centuries. These and many other constructions should not be removed from school curriculums because of their close connection to everyday life. The end of the article is dedicated to a construction, which was in the often used as a layout for building houses last millennium. It is a pity that nowadays these easy constructions have nearly disappeared from common practice. We believe that just these constructions could at this time show closer interconnection between geometry and algebra to students, and thus outline the correlation between synthetic and analytical geometry.*

KEY WORDS: *geometric construction, golden ratio, Pythagorean theorem, harmonic proportion, arithmetic and geometric proportions*

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