

Abstract

The main point of the bachelor thesis is to show mathematics students and teachers the relation between elementary function and its inverse function, the approach how to find the inverse function and possible processes in designing inverse function tasks. In the chapter “Zobrazení”, I define and explain necessary terms, which are used in various parts of the thesis. Further, I discuss basic features of inverse functions. In the chapter “Inverzní funkce k elementárním funkcím” first I discuss the invertibility of elementary functions, and then I describe the process of solving inverse function tasks in detail. In the chapter “Návrhy úloh” I show the process of designing the task with defined difficulty, using the previously described knowledge.

Keywords: elementary function, invertible function, inverse function.