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Introduction

Math Mammoth Algebra 1-A Worksheets Collection was originally created for and in collaboration with SpiderSmart, Inc. tutoring company. I created the worksheets with teachers' needs in mind: each one is exactly one page, concentrating on one topic; therefore is easy to assign for students.

Please note that this is a worksheet collection and does not contain textbook explanations.

These algebra worksheets have been "handicrafted" one by one. Each worksheet is on one topic, but contains varying problems about that topic. The problems include some that lead to a concept, basic practice problems about the topic on hand, and most worksheet also include 1-2 challenging problems.

This collection contains a lot of word problems. In essence, the worksheets are like the problem section of a math book, and far from the mechanical worksheets created by a script.

This collection at hand covers the first half of a typical algebra 1 course topics. The first section of the book contains introductory problems about variables, expressions, translating words into symbols, and building equations.

The second section covers basic properties of real numbers. Next follows a section on solving linear equations, which also covers ratio, proportion, and percent problems. I have also included lots of word problems here.

The next section, Graphing Linear Equations and Functions, starts with problems about relations, then has worksheets for all the graphing-related concepts, such as slope and parallel and perpendicular lines. Lastly in this section I have included three worksheets about modeling with linear equations.

The next section concentrates on solving and graphing linear inequalities including absolute value inequalities. Lastly in this collection we have systems of linear equations and inequalities.

The Algebra 1-B collection covers the first half of algebra 1: powers, polynomials, factoring, quadratic equations, rational expressions and equations, radicals and geometry.

I wish you success with math teaching!

Maria Miller, the author