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# Introduction

*Math Mammoth Algebra 1-B 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 "handcrafted" 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 latter half of a typical algebra 1 course topics, starting with exponents and powers, and introductory problems on exponential functions. Next follows a section on polynomials and various factoring techniques.

The next section, Quadratic Equations, includes graphing quadratic functions, solving quadratic equations, various applications (word problems), and using the discriminant. Then comes a section called Rational Expressions and Equations, and the last section covers radical expressions, radical equations, Pythagorean theorem and its applications.

This collection also contains 8 review worksheets that cover the entire algebra course.

The Algebra 1-A collection covers the first half of algebra 1: introduction to algebra, real numbers and their properties, solving and graphing linear equations and inequalities.

*I wish you success with math teaching!*

*Maria Miller, the author*