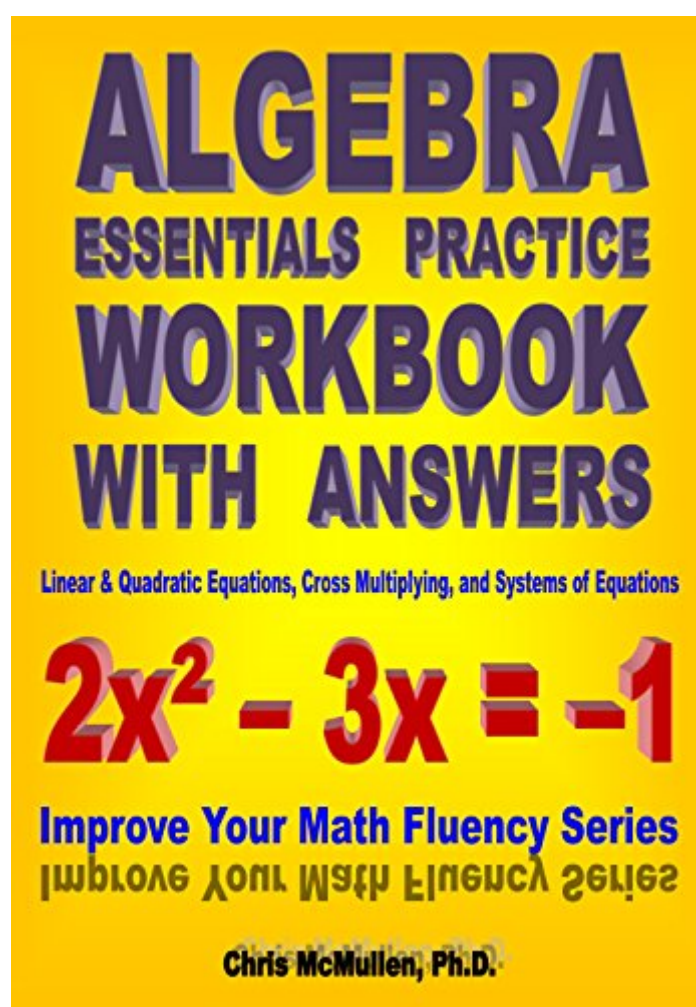


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# Algebra Essentials Practice Workbook With Answers: Linear & Quadratic Equations, Cross Multiplying, And Systems Of Equations (Improve Your Math Fluency Series)





## Synopsis

**EDITIONS:** Originally designed as a paperback workbook, it is now also available as an e-book. The e-book edition is designed to work with pinch-and-zoom (which allows scrolling while zoomed in), and requires having paper and a pencil handy. The paperback edition includes space in which to write the solutions. With the e-book, use device navigation to access the table of contents and switch between chapters (this is convenient for checking answers).

**UPDATED EDITION:** The new edition includes these updates: The updated edition numbers the questions and answers. This helps to easily find the correct answers in the back of the book. 100% of the answers to the updated edition have been independently verified both by computer and by an international math whiz.

**AUTHOR:** Chris McMullen earned his Ph.D. in physics from Oklahoma State University and currently teaches physics at Northwestern State University of Louisiana. He developed the Improve Your Math Fluency series of workbooks to help students become more fluent in basic math skills.

**CONTENTS:** This Algebra Essentials Practice Workbook with Answers provides ample practice for developing fluency in very fundamental algebra skills - in particular, how to solve standard equations for one or more unknowns. These algebra 1 practice exercises are relevant for students of all levels - from grade 7 thru college algebra. This workbook is conveniently divided up into seven chapters so that students can focus on one algebraic method at a time. Skills include solving linear equations with a single unknown (with a separate chapter dedicated toward fractional coefficients), factoring quadratic equations, using the quadratic formula, cross multiplying, and solving systems of linear equations. Not intended to serve as a comprehensive review of algebra, this workbook is instead geared toward the most essential algebra skills. An introduction describes how parents and teachers can help students make the most of this workbook. Students are encouraged to time and score each page. In this way, they can try to have fun improving on their records, which can help lend them confidence in their math skills.

**PRACTICE:** With no pictures, this workbook is geared strictly toward learning the material and developing fluency through practice.

**EXAMPLES:** Each section begins with a few pages of instructions for how to solve the equations followed by a few examples. These examples should serve as a useful guide until students are able to solve the problems independently.

**ANSWERS:** Answers to 100% of the exercises are tabulated at the back of the book. This helps students develop confidence and ensures that students practice correct techniques, rather than practice making mistakes. All answers from the updated edition have been verified both by computer and independently by an international math whiz.

**PHOTOCOPIES:** The copyright notice permits parents/teachers who purchase one copy or borrow one copy from a library to make photocopies for their own

children/students only. This is very convenient if you have multiple children/students or if a child/student needs additional practice. NOTE: The answer key uses standard form. Fractions are expressed as reduced fractions and perfect squares are factored out of squareroots. For example, if you receive an answer of 1 over root 8, the answer key will instead show root 2 over 4; both answers are the same, but the answer key uses standard form.

## Book Information

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## Customer Reviews

All of the problems have answers in the back of the book. This is essential. The explanations and examples are ideal for mastering Algebra. It is not something that you can just "pick up". It has to be practiced. This book is a great help.

Was into advanced math in early college and high school but got out of it further in degree. I'm going back to school now and this book helped me prepare for an intermediate algebra course. It's foundation learning in which each section builds upon previous sections. Instructions are also very clear. Plan on many hours of work. Also to note, the author allows use of problems for students, such as if one were a math teacher needing extra equations for assignments.

This is used as part of a homeschooling algebra course for our ninth grader. The algebra problems have been great. The only drawback is that the problems aren't numbered on the pages or on the answer key & so it's a little bit of a challenge trying to decipher what each answer is.

I bought this for my 8th grader that I homeschool. Each chapter starts out with about 3 pages of explanations and examples followed by 10-20 pages of problems with at least 9 on each page. I like the extra practice to make sure he has plenty of time and practice to get each process figured out, but there is quite possibly too many problems for many students. I will most likely have him skip pages once he has the section mastered. On the plus side, it doesn't skip through the sections too fast and not give the students time to really learn the material. The explanations and examples are a little dry. It doesn't show much for explanations for each step. It definitely helps to have some Algebra under your belt already before starting on this book.

Having been a high school math teacher since 1972, I believe in homework and lots of examples and samples, but this book has way too many of only a few problems. If I had seen it in a store, I would not have bought it. I will use it, but only a page or two at a time. I do NOT recommend it for parents who do not know algebra.

Lots of practice and like the layout. Really good for review or practice to get the concept. Really nice on polynomials. However, on 4 stars as there are things that are missing. However, I get the major concepts reviewed and excellent for practice. There is good space for the students to see what they are doing and provides an easy way for those who are practicing to find errors or to make sure the concept is firmly grasped. I would recommend this.

I have a serious deficit when it comes to math that approaches the level of phobia. As a mature adult, this is something that I struggle with as an obstacle to full education. Chris McMullin's book is extremely accessible, straight forward and very well constructed. The presentation takes all the mystery out of the subject for me. The brief and very clear and concise definitions of terms are immediately followed by exercises that reinforce those terms. The book has an underlying attitude that seems to say "here it is. You can do this. Let's go." The book does just that. It is a no-nonsense book to build some math skills.

Book was received in a timely manner and in new condition. I haven't done algebra in over 10 years and this book really help me get into algebra again. The instructions are easy to understand and I enjoy working on the problems. I am now working on ALEKS online and I highly recommend that to everyone for all math skill levels and areas! It assesses where you are at and like this book, explains problems and then test you on those problems.

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