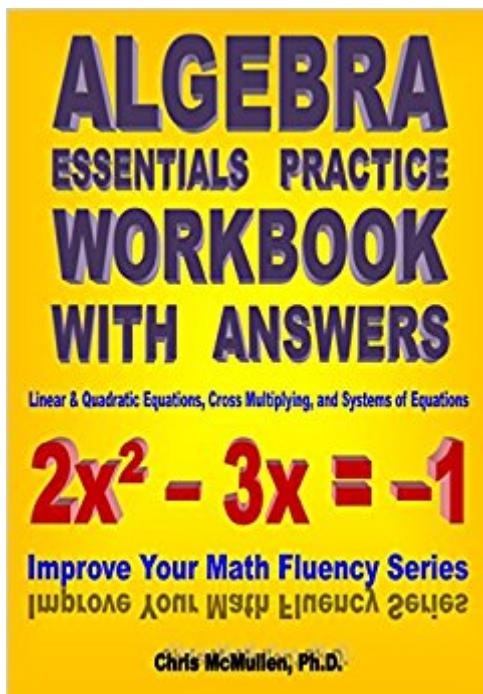


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# Algebra Essentials Practice Workbook With Answers: Linear & Quadratic Equations, Cross Multiplying, And Systems Of Equations (Improve Your Math Fluency Series 12)



## 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).

**2015 UPDATE:** 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 square roots. 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**

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.

Absolutely fantastic book for any one struggling with Algebra!

I thought this book was quite good just because it had so many exercises. My intention was to brush up on my math because I was planning to go back to school soon. However, I found the exercises

too simplistic for my purpose as I was expecting something along the lines of college algebra. This is coming from someone who holds a bachelors in Electronics Engineering so in a way I suppose I expected the problems to be more sadistic as what I experience back in college. I passionately hate Fourier series/equations because of that trauma. Mind you though this book is great for high school students or those college freshmen wanting to brush up on basic algebra. If you have a math, engineering or science background this might not be what you need.

I got this for my 13 year old daughter who will be going into high school. She is good at math but I wanted to make sure she didn't lose any knowledge over the summer. She said that is was pretty easy and did about ten pages the first day. It's more of a review for her. I wanted it to be more of a challenge, but that's OK.

Great relearning algebra.

I love it, thanks.

Great workbook! Many different equations to solve!

Lots of great practice problems, so students can keep reviewing. Wish there were some word problems as well.

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