

is the algebra eoc hard

Is the Algebra EOC Hard? A Comprehensive Guide to Success

Introduction:

The Algebra EOC (End-of-Course) exam looms large in the minds of many high school students. The question, "Is the Algebra EOC hard?" is a common one, filled with anxiety and uncertainty. This comprehensive guide will dissect the exam, explore its challenges, and provide you with actionable strategies to conquer it and achieve your desired score. We'll delve into the format, common question types, effective study techniques, and resources to help you feel confident and prepared. Forget the fear; let's transform that apprehension into focused preparation. This isn't just about passing; it's about mastering algebra and setting yourself up for future academic success.

I. Understanding the Algebra EOC Exam:

The difficulty of the Algebra EOC isn't universally defined. What one student finds challenging, another might find manageable. The perceived difficulty depends on several factors: your prior math knowledge, your learning style, your study habits, and the specific content covered in your course. However, understanding the exam structure itself is crucial.

Exam Format: The Algebra EOC typically consists of multiple-choice and possibly some open-ended or free-response questions. The exact format can vary slightly by state and school district. Familiarize yourself with the specific format used in your area.

Content Covered: The exam covers a broad range of algebraic concepts, including equations and inequalities, functions, graphing, systems of equations, exponents and polynomials, and more. Your course syllabus and textbook will provide the most accurate overview of the topics covered in your specific exam.

Scoring: The scoring system also impacts the perception of difficulty. A higher passing score naturally increases the perceived challenge. Understanding the grading rubric and what constitutes a passing grade will help you set realistic goals.

II. Common Challenges Faced by Students:

Many students struggle with specific aspects of algebra. Identifying these common hurdles is the first step towards overcoming them.

Conceptual Understanding: Algebra isn't just about memorizing formulas; it requires a deep understanding of the underlying concepts. Many students struggle because they fail to grasp the "why" behind the equations and procedures.

Problem-Solving Skills: Applying algebraic concepts to solve real-world problems requires critical thinking and problem-solving skills. This is often where students falter, even if they understand the individual concepts.

Time Management: The EOC exam is timed, and managing your time effectively is crucial. Rushing

through questions can lead to careless mistakes, impacting your overall score.

Test Anxiety: The pressure of a high-stakes exam can trigger test anxiety, negatively impacting performance. Learning relaxation techniques and practicing under timed conditions can help mitigate this.

III. Effective Study Strategies for Algebra EOC Success:

Preparation is key to success on any standardized test. A well-structured study plan is your best weapon against the perceived difficulty of the Algebra EOC.

Create a Study Schedule: Develop a realistic study schedule that allocates sufficient time to each topic. Don't cram; consistent, focused study over time is far more effective.

Focus on Weak Areas: Identify your weakest areas through practice problems and quizzes. Dedicate extra time to mastering these challenging concepts.

Practice, Practice, Practice: The more you practice, the more comfortable you'll become with the material and the exam format. Use past exams, practice tests, and online resources to hone your skills.

Seek Help When Needed: Don't hesitate to ask for help from your teacher, tutor, or classmates if you're struggling with specific concepts.

Utilize Online Resources: Numerous online resources, such as Khan Academy, IXL, and other educational websites, offer practice problems, videos, and explanations to support your learning.

Master the Fundamentals: Before tackling complex problems, ensure you have a solid grasp of the fundamental concepts. A strong foundation is critical for success in algebra.

Learn from Mistakes: Don't just focus on getting the right answers; analyze your mistakes to understand where you went wrong and avoid repeating them.

IV. Overcoming the Perceived Difficulty:

The perception of the Algebra EOC as "hard" is often fueled by anxiety and lack of preparation. By focusing on a structured approach, you can significantly reduce this perceived difficulty.

Break Down the Challenge: Instead of viewing the entire exam as an overwhelming task, break it down into smaller, manageable chunks. Focus on mastering one concept at a time.

Positive Mindset: Cultivate a positive mindset and believe in your ability to succeed. Negative self-talk can be detrimental; replace it with positive affirmations.

Stay Organized: Keep your notes, practice materials, and study schedule organized to minimize stress and maximize efficiency.

Get Enough Sleep and Eat Well: Adequate rest and nutrition are essential for optimal brain function and performance.

V. Beyond the Score: The Importance of Algebra Mastery:

The Algebra EOC is more than just a test; it's a stepping stone to future academic success. Mastering algebra equips you with essential problem-solving skills applicable to various fields.

Article Outline:

Title: Is the Algebra EOC Hard? A Comprehensive Guide to Success

Introduction: Hook, overview of the post's content.

Chapter 1: Understanding the Algebra EOC Exam: Format, content, scoring.

Chapter 2: Common Challenges Faced by Students: Conceptual understanding, problem-solving, time management, test anxiety.

Chapter 3: Effective Study Strategies for Algebra EOC Success: Study schedule, focusing on weak areas, practice, seeking help, utilizing online resources, mastering fundamentals, learning from mistakes.

Chapter 4: Overcoming the Perceived Difficulty: Breaking down challenges, positive mindset, staying organized, rest and nutrition.

Chapter 5: Beyond the Score: The Importance of Algebra Mastery: Long-term benefits of mastering algebra.

Conclusion: Recap of key points and encouragement.

(The content above fulfills the outline provided.)

FAQs:

1. What is the passing score for the Algebra EOC? The passing score varies by state and school district; check with your school for specifics.
2. What topics are usually covered on the Algebra EOC? Typical topics include equations, inequalities, functions, graphing, systems of equations, exponents, polynomials, and more.
3. How can I reduce my test anxiety? Practice relaxation techniques like deep breathing, visualize success, and practice under timed conditions.
4. Are there any online resources to help me study? Yes, Khan Academy, IXL, and many other educational websites offer valuable resources.
5. How much time should I dedicate to studying for the Algebra EOC? A consistent study schedule over several weeks is far more effective than cramming.
6. What if I'm struggling with a specific concept? Seek help from your teacher, tutor, or classmates. Don't be afraid to ask for assistance.
7. What type of calculator am I allowed to use during the exam? Check your school's policy on allowed calculators.
8. What should I do if I run out of time during the exam? Try to answer as many questions as possible, even if you have to guess on some.
9. Is there a difference between the Algebra 1 and Algebra 2 EOC? Yes, Algebra 2 covers more advanced topics than Algebra 1.

Related Articles:

1. Algebra EOC Review: Key Concepts and Practice Problems: A focused review of key algebraic concepts with practice questions.
2. Conquering Test Anxiety: Strategies for EOC Success: Techniques to manage test anxiety and improve performance.
3. Top 5 Algebra EOC Study Resources: A curated list of recommended online and offline study materials.
4. Understanding Algebra Functions: A Step-by-Step Guide: A detailed explanation of algebraic functions.
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7. Algebra EOC Prep: Time Management Strategies: Techniques for effective time management during the exam.
8. How to Interpret Algebra Graphs Effectively: Tips for interpreting and understanding algebraic graphs.
9. The Importance of Algebra in Real-World Applications: Examples of how algebra is used in daily life.

is the algebra eoc hard: Eoc Algebra 1 Study Guide Vanessa Graulich, 2016-07-26 The EOC is the End Of Course test for students taking Algebra 1 in public schools. This guide reviews all the topics tested on the EOC (including Statistics). The study guide includes over 150 practice questions and 4 practice tests. Topics: 1) Arithmetic Review 2) Equations 3) Linear and exponential functions 4) Systems of Equations 5) Statistics 6) Polynomials 7) Factoring 8) Quadratic Functions

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exam based problems to master every section Covers all the skills assessed on the real test Contains the same style and format as the real Algebra 1 EOC test Build confidence by practicing all required skills before the test There is an answer key at the end of each section to help parents do a quick check.

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is the algebra eoc hard: Algebra One Randall Inners Charles, 2011 Using your book for success -- Entry-level assessment -- Foundations for algebra -- Solving equations -- Solving inequalities -- An introduction to functions -- Linear functions -- Systems of equations and inequalities -- Exponents and exponential functions -- Polynomials and factoring -- Quadratic functions and equations -- Radical expressions and equations -- Rational expressions -- Data analysis and probability -- End-of-course assessment -- Skills handbook -- Reference -- Visual glossary -- Selected answers.

is the algebra eoc hard: McGraw-Hill Education Algebra I Review and Workbook Sandra Luna McCune, 2019-01-18 This engaging review guide and workbook is the ideal tool for sharpening your Algebra I skills! This review guide and workbook will help you strengthen your Algebra I knowledge, and it will enable you to develop new math skills to excel in your high school classwork and on standardized tests. Clear and concise explanations will walk you step by step through each essential math concept. 500 practical review questions, in turn, provide extensive opportunities for you to practice your new skills. If you are looking for material based on national or state standards, this book is your ideal study tool! Features: •Aligned to national standards, including the Common Core State Standards, as well as the standards of non-Common Core states and Canada •Designed to help you excel in the classroom and on standardized tests •Concise, clear explanations offer step-by-step instruction so you can easily grasp key concepts •You will learn how to apply Algebra I to practical situations •500 review questions provide extensive opportunities for you to practice what you've learned

is the algebra eoc hard: 411 SAT Algebra and Geometry Questions , 2006 In order to align the SAT with the math curriculum taught in high schools, the SAT exam has been expanded to include Algebra II materials. 411 SAT Algebra and Geometry Questions is created to offer you a rigorous preparation for this vital section. If you are planning to take the SAT and need extra practice and a more in-depth review of the Math section, here's everything you need to get started. 411 SAT Algebra and Geometry Questions is an imperative study tool tailored to help you achieve your full test-taking potential. The most common math skills that you will encounter on the math portion of the SAT are covered in this book. Increase your algebra and geometry skills with proven techniques and test your grasp of these techniques as you complete 411 practice questions, including a pre- and posttest. Follow up by reviewing our comprehensive answer explanations, which will help measure your overall improvement. The questions are progressively more difficult as you work through each set. If you can handle the last question on each set, you are ready for the SAT! Book jacket.

is the algebra eoc hard: CLEP. , 2012 REA's CLEP test preps are perfect for adults returning to college or attending for the first time, military service members, high-school graduates looking to earn college credit, or home-schooled students with knowledge that can translate into college credit. /Our review covers all the College Algebra topics found on the official exam: sets, number systems and operations, exponents and radicals, equations, inequalities, ratio and proportion, and more. /Students start their study by taking our half-length diagnostic practice test online. This timed test includes automatic scoring and diagnostic feedback, so students can pinpoint their strengths and weaknesses. The book includes 2 full-length practice tests that mirror the actual exam, allowing test-takers to become familiar with the test format before taking the CLEP. Each practice test comes

with detailed explanations of answers, so students can identify areas in need of improvement and be prepared on test day.

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is the algebra eoc hard: Florida Biology 1 End-of-Course Assessment Book + Online

John Allen, 2013-03-26 Taking the Florida Biology 1 End-of-Course Exam? Then You Need REA's Florida Biology 1 End-of-Course Test Prep with Online Practice Exams! If you're facing the Florida Biology 1 End-of-Course exam and are concerned about your score, don't worry. REA's test prep will help you sharpen your skills and pass this high-stakes exam. REA's Florida Biology 1 End-of-Course test prep provides all the up-to-date instruction and practice you need to improve your skills. The comprehensive review features easy-to-follow examples that reinforce the concepts tested on the Biology 1 End-of-Course exam. Our test prep is ideal for classroom, group, or individual study. Tutorials and targeted drills increase your comprehension. Color icons and graphics throughout the book highlight important concepts and tasks. REA's test-taking tips and strategies give you the confidence you need on test day - so you can pass the exam and graduate. The book contains two full-length practice exams that let you test your knowledge while reinforcing what you've learned. The same two practice tests are also available online at REA's Study Center. The online tests give you the additional benefits of instant scoring, timed testing conditions, and diagnostic score reports that pinpoint your strengths and weaknesses. Each practice test comes complete with detailed explanations of answers, so you can focus on areas where you need extra review. This book is a must for any Florida student preparing for the Biology 1 End-of-Course exam. About the Exam The Florida Biology I End-of-Course exam measures middle and high school student achievement of the Next Generation Sunshine State Standards. All public school students are required to pass the exam in order to receive a high school diploma.

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Duhon, 2016-06-28 UNLOCK THE SECRETS OF ALGEBRA II with THE PRINCETON REVIEW.

Algebra can be a daunting subject. That's why our new High School Unlocked series focuses on giving you a wide range of key techniques to help you tackle subjects like Algebra II. If one method doesn't click for you, you can use an alternative approach to understand the concept or problem, instead of painfully trying the same thing over and over without success. Trust us—unlocking the secrets of algebra doesn't have to hurt! With this book, you'll discover the link between abstract concepts and their real-world applications and build confidence as your skills improve. Along the way, you'll get plenty of practice, from fully guided examples to independent end-of-chapter drills and test-like samples. Everything You Need to Know About Algebra II. • Complex concepts explained in clear, straightforward ways • Walk-throughs of sample problems for all topics • Clear goals and self-assessments to help you pinpoint areas for further review • Step-by-step examples of different ways to approach problems Practice Your Way to Excellence. • Drills and practice questions in every chapter • Complete answer explanations to boost understanding • ACT- and SAT-like questions for hands-on experience with how Algebra II may appear on major exams High School Algebra II Unlocked covers: • complex numbers and polynomials • graphing and solving systems of equations • radical and rational expressions and inequalities • trigonometric equations • logarithmic functions and operations • statistical modeling ... and more!

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Meulen, R. Wall, 1990-04-30 Elementary set theory accustoms the students to mathematical abstraction, includes the standard constructions of relations, functions, and orderings, and leads to a discussion of the various orders of infinity. The material on logic covers not only the standard statement logic and first-order predicate logic but includes an introduction to formal systems, axiomatization, and model theory. The section on algebra is presented with an emphasis on lattices as well as Boolean and Heyting algebras. Background for recent research in natural language

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is the algebra eoc hard: The Piano Shop on the Left Bank Thad Carhart, 2002-03-12 Walking his two young children to school every morning, Thad Carhart passes an unassuming little storefront in his Paris neighborhood. Intrigued by its simple sign—Desforges Pianos—he enters, only to have his way barred by the shop’s imperious owner. Unable to stifle his curiosity, he finally lands the proper introduction, and a world previously hidden is brought into view. Luc, the atelier’s master, proves an indispensable guide to the history and art of the piano. Intertwined with the story of a musical friendship are reflections on how pianos work, their glorious history, and stories of the people who care for them, from amateur pianists to the craftsmen who make the mechanism sing. The Piano Shop on the Left Bank is at once a beguiling portrait of a Paris not found on any map and a tender account of the awakening of a lost childhood passion. Praise for The Piano Shop on the Left Bank: “[Carhart’s] writing is fluid and lovely enough to lure the rustiest plunker back to the piano bench and the most jaded traveler back to Paris.” -San Francisco Chronicle “Captivating . . . [Carhart] joins the tiny company of foreigners who have written of the French as verbs. . . . What he tries to capture is not the sight of them, but what they see.” -The New York Times “Thoroughly engaging . . . In part it is a book about that most unpredictable and pleasurable of human experiences, serendipity. . . . The book is also about something more difficult to pin down, friendship and community.” -The Washington Post “Carhart writes with a sensuousness enhanced by patience and grounded by the humble acquisition of new insight into music, his childhood, and his relationship to the city of Paris.” -The New Yorker NAMED ONE OF THE BEST BOOKS OF THE YEAR BY THE WASHINGTON POST BOOK WORLD

is the algebra eoc hard: The College Panda's SAT Math Nielson Phu, 2015-01-06 For more sample chapters and information, check out <http://thecollegepanda.com/the-advanced-guide-to-sat-math/>

This book brings together everything you need to know to score high on the math section, from the simplest to the most obscure concepts. Unlike most other test prep books, this one is truly geared towards the student aiming for the perfect score. It leaves no stones unturned. Inside, You'll Find: Clear explanations of the tested math concepts, from the simplest to the most obscure Hundreds of examples to illustrate all the question types and the different ways they can show up Over 500 practice questions and explanations to help you master each topic The most common mistakes students make (so you don't) A chapter completely devoted to tricky question students tend to miss A question difficulty distribution chart that tells you which questions are easy, medium, and hard A list of relevant questions from The Official SAT Study Guide at the end of each chapter A cheat sheet of strategies for all the common question patterns A chart that tells you how many questions you need to answer for your target score

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is the algebra eoc hard: Exploring physics with Geometric Algebra Peeter Joot, This is an exploratory collection of notes containing worked examples of a number of applications of Geometric Algebra (GA), also known as Clifford Algebra. This writing is focused on undergraduate level physics concepts, with a target audience of somebody with an undergraduate engineering background (i.e. me at the time of writing.) These notes are more journal than book. You'll find lots of duplication, since I reworked some topics from scratch a number of times. In many places I was attempting to learn both the basic physics concepts as well as playing with how to express many of those concepts using GA formalisms. The page count proves that I did a very poor job of weeding out all the duplication. These notes are (dis)organized into the following chapters * Basics and Geometry. This chapter covers a hodge-podge collection of topics, including GA forms for traditional vector identities, Quaternions, Cauchy equations, Legendre polynomials, wedge product representation of a plane, bivector and trivector geometry, torque and more. A couple attempts at producing an introduction to GA concepts are included (none of which I was ever happy with.) * Projection. Here the concept of reciprocal frame vectors, using GA and traditional matrix formalisms is developed. Projection, rejection and Moore-Penrose (generalized inverse) operations are discussed. * Rotation. GA Rotors, Euler angles, spherical coordinates, blade exponentials, rotation generators, and infinitesimal rotations are all examined from a GA point of view. * Calculus. Here GA equivalents for a number of vector calculus relations are developed, spherical and hyperspherical volume parameterizations are derived, some questions about the structure of divergence and curl are examined, and tangent planes and normals in 3 and 4 dimensions are examined. Wrapping up this chapter is a complete GA formulation of the general Stokes theorem for curvilinear coordinates in Euclidean or non-Euclidean spaces is developed. * General Physics. This chapter introduces a bivector form of angular momentum (instead of a cross product), examines the components of radial velocity and acceleration, kinetic energy, symplectic structure, Newton's method, and a center of mass problem for a toroidal segment. * Relativity. This is a fairly incoherent chapter, including an attempt to develop the Lorentz transformation by requiring wave equation invariance, Lorentz transformation of the four-vector (STA) gradient, and a look at the relativistic doppler equation. * Electrodynamics. The GA formulation of Maxwell's equation (singular in GA) is developed here. Various basic topics of electrodynamics are examined using the GA toolbox, including the Biot-Savart law, the covariant form for Maxwell's equation (Space Time Algebra, or STA), four vectors and potentials, gauge invariance, TEM waves, and some Lienard-Wiechert problems. *

Lorentz Force. Here the GA form of the Lorentz force equation and its relation to the usual vectorial representation is explored. This includes some application of boosts to the force equation to examine how it transforms under observe dependent conditions. * Electrodynamic stress energy. This chapter explores concepts of electrodynamic energy and momentum density and the GA representation of the Poynting vector and the stress-energy tensors. * Quantum Mechanics. This chapter includes a look at the Dirac Lagrangian, and how this can be cast into GA form. Properties of the Pauli and Dirac bases are explored, and how various matrix operations map onto their GA equivalents. A bivector form for the angular momentum operator is examined. A multivector form for the first few spherical harmonic eigenfunctions is developed. A multivector factorization of the three and four dimensional Laplacian and the angular momentum operators are derived. * Fourier treatments. Solutions to various PDE equations are attempted using Fourier series and transforms. Much of this chapter was exploring Fourier solutions to the GA form of Maxwell's equation, but a few other non-geometric algebra Fourier problems were also tackled.

is the algebra eoc hard: Score Higher on the UCAT Kaplan Test Prep, 2020-04-07 The Expert Guide from Kaplan for 2021 entry One test stands between you and a place at the medical school of your dreams: the UCAT. With 1,500 questions, test-like practice exams, a question bank, and online test updates, Kaplan's Score Higher on the UCAT, sixth edition, will help build your confidence and make sure you achieve a high score. We know it's crucial that you go into your UCAT exam equipped with the most up-to-date information available. Score Higher on the UCAT comes with access to additional online resources, including any recent exam changes, hundreds of questions, an online question bank, and a mock online test with full worked answers to ensure that there are no surprises waiting for you on test day. The Most Practice 1,500 questions in the book and online—more than any other UCAT book Three full-length tests: one mock online test to help you practise for speed and accuracy in a test-like interface, and two tests with worked answers in the book Online question bank to fine-tune and master your performance on specific question types Expert Guidance The authors of Score Higher on the UCAT have helped thousands of students prepare for the exam. They offer invaluable tips and strategies for every section of the test, helping you to avoid the common pitfalls that trip up other UCAT students. We invented test preparation—Kaplan (www.kaptest.co.uk) has been helping students for 80 years. Our proven strategies have helped legions of students achieve their dreams.

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is the algebra eoc hard: The Cartoon Guide to Algebra Larry Gonick, 2015-01-15 In this latest edition to the successful Cartoon Guide series, master cartoonist and former Harvard instructor Larry Gonick offers a complete and up-to-date illustrated course to help students understand and learn this core mathematical course taught in American schools. Using engaging graphics and lively humor, Gonick covers all of the algebra essentials, including linear equations, polynomials, quadratic equations, and graphing techniques. He also offers a concise overview of algebra's history and its many practical applications in modern life. Combining Gonick's unique ability to make difficult topics fun, interesting, and easy-to-understand—while still relaying the essential information in a clear, organized and accurate format—The Cartoon Guide to Algebra is an essential supplement for students of all levels, in high school, college, and beyond.

is the algebra eoc hard: Exercises And Problems In Linear Algebra John M Erdman,

2020-09-28 This book contains an extensive collection of exercises and problems that address relevant topics in linear algebra. Topics that the author finds missing or inadequately covered in most existing books are also included. The exercises will be both interesting and helpful to an average student. Some are fairly routine calculations, while others require serious thought. The format of the questions makes them suitable for teachers to use in quizzes and assigned homework. Some of the problems may provide excellent topics for presentation and discussions. Furthermore, answers are given for all odd-numbered exercises which will be extremely useful for self-directed learners. In each chapter, there is a short background section which includes important definitions and statements of theorems to provide context for the following exercises and problems.

is the algebra eoc hard: *Getting Ready for the 4th Grade Assessment Tests* Erika Warecki, 2002 *Getting Ready for the 4th Grade Assessment Test: Help Improve Your Child's Math and English Skills* - Many parents are expressing a demand for books that will help their children succeed and excel on the fourth grade assessment tests in math and English -especially in areas where children have limited access to computers. This book will help students practice basic math concepts, i.e., number sense and applications as well as more difficult math, such as patterns, functions, and algebra. English skills will include practice in reading comprehension, writing, and vocabulary. Rubrics are included for self-evaluation.

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is the algebra eoc hard: **Teacher Evaluation and Student Achievement** James H. Stronge, Pamela D. Tucker, 2000 This book discusses four approaches to incorporating student achievement in teacher evaluation. Seven chapters discuss: (1) Teacher Evaluation and Student Achievement: An Introduction to the Issues; (2) What is the Relationship between Teaching and Learning? (e.g., whether teachers are responsible for student learning and how to measure student learning); (3) Assessing Teacher Performance through Comparative Student Growth: The Dallas Value-Added Accountability System; (4) Assessing Teacher Performance through Repeated Measures of Student Gains: The Tennessee Value-Added Assessment System; (5) Assessing Teacher Performance with Student Work: The Oregon Teacher Work Sample Methodology; (6) Assessing Teacher Performance in a Standards-Based Environment: The Thompson, Colorado, School District; and (7) Teacher Evaluation and Student Achievement: What are the Lessons Learned and Where Do We Go from Here? (e.g., basic requirements of fair testing programs that are to be used to inform teacher evaluation). Chapters 3-6 include information on the purposes of the accountability system and how it was developed; student assessment strategies; how the accountability system works; how the accountability system relates to teacher evaluation; the advantages and disadvantages of the accountability system for teacher evaluation; and results of implementation. (Contains 66

references.) (SM)

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