

<p>to break a problem into simpler parts.</p> <p>2.0 Students use strategies, skills, and concepts in finding solutions: 2.1 Use estimation to verify the reasonableness of calculated results. 2.2 Apply strategies and results from simpler problems to more complex problems. 2.3 Estimate unknown quantities graphically and solve for them by using logical reasoning and arithmetic and algebraic techniques. 2.4 Make and test conjectures by using both inductive and deductive reasoning. 2.5 Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning. 2.6 Express the solution clearly and logically by using the appropriate mathematical notation and terms and clear language; support solutions with evidence in both verbal and symbolic work. 2.7 Indicate the relative advantages of exact and approximate solutions to problems and give answers to a specified degree of accuracy. 2.8 Make precise calculations and check the validity of the results from the context of the problem.</p> <p>3.0 Students determine a solution is complete and move beyond a particular problem by generalizing to other situations: 3.1 Evaluate the reasonableness of the solution in the context of the original situation. 3.2 Note the method of deriving the solution and demonstrate a conceptual understanding of the derivation by solving similar problems. 3.3 Develop generalizations of the results obtained and the strategies used and apply them to new problem situations.</p> <p>5. Algebra 1</p> <p>2.0 Students understand and use such operations as taking the opposite, finding the reciprocal, taking a root, and raising to a fractional power. They understand and use the rules of exponents.</p> <p>4.0 Students simplify expressions before solving linear equations and inequalities in one variable, such as $3(2x-5) + 4(x-2) = 12$.</p> <p>5.0 Students solve multistep problems, including word problems, involving linear equations and linear inequalities in one variable and provide justification for each step.</p>	
Methods of Study	Evaluation of Performance Standards
<ol style="list-style-type: none"> 1. Students will complete all activities assigned. 2. Students will participate in discussion with other class members and/or teacher. 	<ol style="list-style-type: none"> 1. Students will complete all assignments with a minimum of 70% accuracy. 2. The supervising teacher will be satisfied with the quality of the student's work. 3. The student must receive a minimum score of 70% on a teacher assigned final evaluation.

GRADE SEVEN MATHEMATICS B

Course Outline

I. Textbook Assignment

Prentice Hall CA Algebra Readiness, Part 2 (1 Course)

MUST SHOW ALL WORK OR REDO – Do all problems listed unless noted to do even only

- Complete Chapters 6 -10
 - “Check your Readiness” (beginning of every chapter)
 - Standards Practice – Section A – Practice by Example (even only)
 - Section B – Apply your Skills (even only)
 - Multiple Choice Practice & Mixed Review
 - Taking Test Strategies & Multiple Choice Practice
 - Chapter Reviews – Vocabulary Review & Skills and Concepts
 - Chapter Test (even only)
 - Standards Mastery

II. Extension Activity Options: - (Complete any 3 of 5)

1. Complete one **Activity Lab** from Chapters 6 – 10.
2. Complete one **Challenge Question** (Section C in each Chapter)
3. Use a **Flow Map** to demonstrate the steps involved in using the Pythagorean Theorem.
4. Go to PearsonSuccess.net and compete vs. the computer in **Quiz Game – must show 70% or above mastery** Chapters 6 – 10.
5. **Complete a Printable** page from online resources at PHSchools.com or **Math Companion – Chapters 6 – 10.** (page to be determined by teacher & student in area Of concern – or to show mastery)

III. Evaluation

- Unit and/or final test.
- All textbook work must meet the 70% accuracy level for a “C” grade.