College Algebra
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Grading for each quarter
Class Practice & Homework - 10%
Quizzes – 40%
Tests – 50%

Overall class grade:
1st quarter - 20% 2nd quarter - 20%
3rd quarter - 20% 4th quarter - 20%
Final Exam - 20%

Class Practice
   A. Practice problems that are done during class either individually or with a partner
   B. Work must be shown to get credit
   C. Class practice problems are 10% of your grade

Home work
   A. Given Monday - Friday
   B. Work must be shown in order to get credit
   C. Homework is 10% of your grade

Quizzes
   A. Given at the mid-point of a chapter
   B. Quizzes are 40% of your grade
   C. Students can re-take quizzes after reviewing missed questions with the teacher

Tests
   A. Cumulative Tests are given at the end of each Chapter
   B. Tests are 50% of your grade

Course Objectives:

Upon successful completing of this course, students will be able to:

- Represent mathematical information symbolically, visually, numerically, or verbally.
- Access data on a computer, network system or instrument TI-84+
- Interpret models such as formulas, graphs, tables, and schematics to draw inferences.
- Apply arithmetical, algebraic or geometric methods to solve problems

College Algebra Outcomes:

General topics include but are not limited to:

- ➤ Functions: graphically, numerically, analytical, or verbal
    1. Graphing
    2. Applications (modeling) of linear, quadratic, absolute value, square root, cubic, logarithmic, exponential and piecewise-defined functions

- ➤ Algebra:
    1. Simplify algebraic, rational, and radical expressions.
    2. Solve linear and quadratic equations and inequalities.
    3. Solve polynomial, rational, and radical equations and applications.
    4. Factoring: 2nd and 3rd degree equations
    5. Solving quadratic equations by completing the square
    6. Systems of equations and inequalities
    7. Series and Sequences
    8. Binomial Expansion
    9. Solving and application of logarithmic and exponential equations (growth and decay)

- ➤ Conic Sections
    1. Circles
    2. Parabolas