

## COURSE SYLLABUS FOR ALGEBRA B

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### TOPICS TO BE COVERED

1. Chapter 7 – Systems of Linear Equations and Inequalities
2. Chapter 8 – Polynomials
3. Chapter 9 – Factoring
4. Chapter 10 – Quadratic and Exponential Functions
5. Chapter 11 – Radical Expressions and Triangles
6. Chapter 12 – Rational Expressions and Equations
7. Chapter 13 – Statistics
8. Chapter 14 – Probability

### COURSE OBJECTIVES

1. Solve systems of linear equations and inequalities in two variables graphically and algebraically
2. Perform operations of addition, subtraction, multiplication and division on polynomial expressions.
3. Solve problems algebraically that involve area and perimeter of a polygon, area and circumference of a circle, and volume and surface area of right circular cylinders or right rectangular prisms.
4. Factor binomials, trinomials, and other polynomials
5. Represent graphically common relations
6. Solve quadratic equations using the zero product property
7. Simplify numerical expressions
8. Calculate length, midpoint, and slope of a line segment

### CLASS EXPECTATIONS

1. Follow all school rules. Refer to your handbook
2. Talk only during appropriate times. Participate during class and do not talk while someone else is talking
3. Bring necessary materials to class. Sharpen pencils before class begins.
4. NO SLEEPING!
5. Treat others as you would like to be treated.

### GRADING PROCEDURES

1. Six weeks grades will be based on the point system (points earned/points possible) and will consist of tests, quizzes, and assignments.
2. Make-up work should be completed within 3 days.
3. Make-up tests will be taken at 7:00 unless otherwise prearranged.
4. Homework is assigned on most days and is due the next school day.
5. Work must be shown on every problem. (No work—No credit!)
6. The only extra credit given will be for the bonus questions on a test.
7. Progress reports are sent home after 3 weeks; report cards after 6 weeks.

