### Periods | Sections | Topics
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½ | 1.1 - 1.4 | (Course orientation) Translating words into mathematical models. Real numbers. Operations with real numbers. Simplifying algebraic expressions with real numbers.
1 ½ | 1.5 – 1.8 | Solving linear equations and their application.
1 | 2.1 – 2.2 | Graphing linear equations. Reading graphs. Midpoint of line.
1 ½ | 2.3 – 2.4 | Slope and determining linear equations.
1 | 3.2, 3.6 | Solving system of linear equations in two variables algebraically and their applications.
1 | 4.1 – 4.2, 4.4 | Solving one-sided and two-sided linear inequalities and their applications. Solving linear inequalities in two variables graphically.
1 | 4.3 | Solving absolute value equations and inequalities.
1 ½ | 2.5 – 2.6 (1-3) | Functions
1 | **EXAM I** |
2 | 5.3 – 5.8 | Polynomial functions, operations with polynomials, factoring.
1 | 5.9 | Solving polynomial equations by factoring.
3 ½ | 6.1 – 6.5 | Rational expressions and functions. Operations with rational expressions. Dividing polynomials. Solving rational and literal equations and their applications.
6.7 – 6.8 | | |
1 | 5.1 – 5.2 | Integer exponents, scientific notation.
1 | **CATCH-UP & REVIEW** |
1 | **EXAM II** |
1 | 7.6- 7.7 | Distance between coordinate pairs. Complex Numbers.
1 | 8.4 | Graphing quadratic functions.
1 | 8.5, 10.1 | Solving quadratic and rational inequalities. Circles
1 | **CATCH-UP & REVIEW**