

## NINTH GRADE MATH PLACEMENT EXAM TOPICS AND REVIEW

- Operations with integers and fractions
- Simplifying and evaluating algebraic expressions
- Evaluating Order of Operations
- Ordering real numbers on a number line
- Solving multi-step equations and inequalities
- Graphing linear equations in standard form, slope-intercept form, and point-slope form
- Finding slope and rate of change
- Writing equations for horizontal, vertical, and oblique lines
- Writing equations for parallel and perpendicular lines
- Solving systems graphically and algebraically
- Solving one and two variable word problems
- Applying properties of exponents
- Solving equations using the Quadratic Formula
- Polynomial operations
- Factoring polynomials including GCF, difference of squares, trinomials, and grouping
- Interpreting graphs and tables